

# **EPA REG. JACKET 86794-6**

# DATA PACKAGE BEAN SHEET

Date: 26-Feb-2014

Page 1 of 2

Decision #: 486811

DP #: (418239)

PRIA

Parent DP #:

Submission #: 946135

E-Sub #:

## \*\*\* Registration Information \*\*\*

Registration: **86794-A - MPOWER CLODINAFOP HERBICIDE**

Company: 86794 - NEWAGCO, INC.

Risk Manager: RM 23 - Kathryn Montague - (703) 305-1243 Room# PY1 S-7332

Risk Manager Reviewer: Bethany Benbow BBENBOW

Sent Date: \_\_\_\_\_

PRIA Due Date: 05-Jan-2015

Edited Due Date: \_\_\_\_\_

Type of Registration: Product Registration - Section 3

Action Desc: (R334) NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF

Ingredients: 125203, Clodinafop-propargyl (CAS Reg. No.105512-06-9)(22.3%)

## \*\*\* Data Package Information \*\*\*

Expedite: ☐ Yes ☒ No

Date Sent: 26-Feb-2014

Due Back: \_\_\_\_\_

DP Ingredient: 125203, Clodinafop-propargyl (CAS Reg. No.105512-06-9)

DP Title: New product with unreg. source of AI and Safener

CSF Included: ☒ Yes ☐ No

Label Included: ☒ Yes ☐ No

Parent DP #: \_\_\_\_\_

Assigned To

Date In

Date Out

Organization: RD / TRB

Last Possible Science Due Date: Nov. 22, 2014

Team Name: CHEM

Science Due Date: \_\_\_\_\_

Reviewer Name: \_\_\_\_\_

Sub Data Package Due Date: \_\_\_\_\_

Contractor Name: \_\_\_\_\_

## \*\*\* Studies Sent for Review \*\*\*

Printed on Page 2

## \*\*\* Additional Data Package for this Decision \*\*\*

No Additional Data Packages

## \*\*\* Data Package Instructions \*\*\*

TRB Chem:

Please review the submitted product chem. data for the pending product. This product is using an unregistered source of AI and an unregistered source of Safener.

Please determine if this data supports registration. Also determine if the submitted CFS is acceptable.

Thank you,  
Beth

PC Data for the AI is in Documentum  
PC Data for the Safener [REDACTED] is attached

PDD  
12/22/14

\*Inert ingredient information may be entitled to confidential treatment\*

MRID	MRID Status	Citation/Reference	Guideline	86-5 Status
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1550/Product Identity and composition	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1600/Description of materials used to produce the product	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1650/Description of formulation process	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1670/Discussion of formation of impurities	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1750/Certified limits	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1800/Enforcement analytical method	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6302/Color	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6303/Physical state	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6304/Odor	Pass (03-Jun-2013)

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1550/Product Identity and composition	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1600/Description of materials used to produce the product	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1620/Description of production process	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1670/Discussion of formation of impurities	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1750/Certified limits	Pass (25-Feb-2014)
49316702		Carter, T. (2010) Preliminary Analysis Testing for (inert ingredient) Technical. Project Number: NEW212/090153/5120. Unpublished study prepared by Can Test, Ltd. 45p.	830.1700/Preliminary analysis	Pass (25-Feb-2014)
49316702		Carter, T. (2010) Preliminary Analysis Testing for (inert ingredient) Technical. Project Number: NEW212/090153/5120. Unpublished study prepared by Can Test, Ltd. 45p.	830.1800/Enforcement analytical method	Pass (25-Feb-2014)
49316703		Tillman, A. (2012) (Inert ingredient) Safener: Physical and Chemical Properties. Project Number: NAC/201206. Unpublished study prepared by Can Test, Ltd. 113p.		Pass (25-Feb-2014)

# PROCESSING REQUEST

Reg #: 86794-6

Decision #: 503513

Description: correct a typographical error on the EPA stamped label dated 12-9-14

## Material Available Electronically (see PPLS):

☐ Electronic Label/Letter Dated:

☐ Other:

## Material Sent (see jacket):

☐ Stamped Label/Letter Dated:

☐ Notification Dated: 4-1-15

☐ New CSF(s) Dated:

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Banja Djauro

Division: RD-PHB

Phone: 305-7269

Date: 5-15-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Michael Kellogg  
NewAgCo, Inc.  
c/o Pyxis Regulatory Consulting, Inc  
4110 136<sup>th</sup> St. NW  
Gig Harbor, WA 98332

May 15, 2015

Subject: Notification per PRN 98-10 – Correct a typographical error on the EPA stamped label dated 12/9/14  
Product Name: MPower Clodinafop Herbicide  
EPA Registration Number: 86794-6  
Application Date: 4-1-15  
Decision Number: 503513

Dear Mr. Kellogg:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please Banza Djapao at 703-305-7269 or via email at [djapao.banza@epa.gov](mailto:djapao.banza@epa.gov).

A handwritten signature in black ink, which appears to read "Shaja B. Joyner".

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505P

PYXIS REGULATORY CONSULTING, INC.

4110 136<sup>th</sup> St. NW  
Gig Harbor, WA 98332

Phone: 253-853-7369  
Fax: 253-853-5516  
www.PyxisRC.com

April 1, 2015

COURIER DELIVERY

Shaja Joyner (PM 20)  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

RE: NewAgCo, Inc. – MPower Clodinafop Herbicide (EPA Reg. No. 86794-6)  
Notification of a Minor Label Revision per PRN 98-10

Dear Ms. Joyner,

On behalf of NewAgCo, Inc. (NewAgCo) please find the enclosed notification of a minor label revision per PRN 98-10 for MPower Clodinafop Herbicide. NewAgCo received the Notice of Registration and EPA stamped approved label for its MPower Clodinafop Herbicide product with Agency letter dated December 19, 2014.

In preparing the final product labeling, NewAgCo discovered a typographical error on page 12 in the "For Control of Wild Oats and Volunteer Oats" tank mix table. Under the column heading "3.2 fl. oz. MPower Clodinafop Herbicide" the rate for the Harmony GT + MCPA Ester tank mix combination of "0.0" is incorrect. The correct application rate should be "0.3-0.6 oz./A".

MPower Clodinafop Herbicide is a me-too of Syngenta's Discover Herbicide (EPA Reg. No. 100-907). A copy of Syngenta's most recent EPA accepted label showing the correct rate is enclosed.

In support of this notification please find the enclosed documents:

1. Completed Application for Registration (EPA Form 8570-1)
2. One (1) copy of the MPower Clodinafop Herbicide label with changes tracked
3. One (1) copy of the MPower Clodinafop Herbicide label with changes incorporated
4. One (1) copy of Syngenta's Discover Herbicide EPA accepted label dated November 23, 2009
5. Certification with Respect to Label Integrity
6. One (1) copy of the MPower Clodinafop Herbicide label on CD
7. Letter of Authorization

Please feel free to call me if you have any questions or need any additional information.

Sincerely,



Michael Kellogg

Enclosures



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 86794-6	2. EPA Product Manager S. Joyner	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NewAgCo, Inc./MPOWER Clodinafop Herbicide	PM# 20	
5. Name and Address of Applicant (Include ZIP Code) Willowood USA, LLC c/o Pyxis Regulatory Consulting, Inc. 4110 136th St. NW Gig Harbor, WA 98332  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 100-907 Product Name Discover Herbicide	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of a minor label revision per PRN 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

## Section - III

1. Material This Product Will Be Packaged in:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1.25 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Michael Kellogg		Title Agent		Telephone No. (Include Area Code) (253) 853-7369	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received  <b>(Stamped)</b>
2. Signature 		3. Title Agent			
4. Typed Name Michael Kellogg		5. Date 4/1/15			



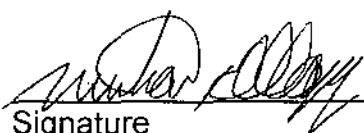
# Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
086794-00006	April 1, 2015	086794-00006.20150401.MPower Clodinafop Herbicide label.pdf

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.



Signature

Michael Kellogg  
Agent, NewAgCo Inc.

4/1/15  
Date



June 16, 2011

To Whom It May Concern:


RE: Letter of Authorization

Dear Sir or Madam:

Please let this letter serve to confirm that Pyxis Regulatory Consulting, Inc. is authorized to act as agent for NewAgco Inc. (EPA Company Number 86794), before the U.S. Environmental Protection Agency and state governmental agencies in all matters regarding our pesticide registrations pursuant to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. § 136 et seq. and state law.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Jerry Kellman  
Treasurer  
NewAgco Inc.

cc: Pyxis Regulatory Consulting, Inc.

**MPOWER® CLODINAFOP HERBICIDE**

A postemergence herbicide for control of grass weeds in spring wheat and Durum wheat

**ACTIVE INGREDIENT:**

Clodinafop-Propargyl\*.....22.3%

OTHER INGREDIENTS.....77.7%

TOTAL.....100.0%

This product contains petroleum distillates.

MPower® Clodinafop Herbicide contains 2 lbs. of clodinafop-propargyl active ingredient per gallon.

\*CAS No. 105512-06-9

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Si usted no entiendela etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 -20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 -20 minutes.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b> Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	
<b>HOT LINE NUMBER</b> Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.	

EPA Reg. No. 86794-6

EPA Est. No.

NET CONTENTS: xx gallons

Manufactured for:  
NewAgco Inc.  
Orena, St. Lawrence Main Road  
Christ Church, Barbados BB15029

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin, eyes or clothing. Wear protective eyewear such as safety glasses. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof or chemical-resistant gloves, such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing, or loading

**USER SAFETY REQUIREMENTS**

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not mix or allow product to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

**DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

Use this product only in accordance with label directions and restrictions contained in this label or in EPA approved supplemental labeling for MPower Clodinafop Herbicide.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves. Such as barrier laminate or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY AND/OR POOR WEED CONTROL.**

### PRODUCT INFORMATION

Apply this product for control of listed weed and grass species in all varieties of wheat, including Durum. For consistent control, target species must be thoroughly covered with an application of MPower Clodinafop Herbicide.

#### Mode of Action

When MPower Clodinafop Herbicide is applied as a postemergence treatment, it is absorbed rapidly by the foliage of target species and then translocated to growing points.

The level of control will depend upon the following:

- Coverage with an application of MPower Clodinafop Herbicide.
- Growing/environmental conditions.
- Type of weed species.
- Crop competition.

Once it has translocated, MPower Clodinafop Herbicide inhibits the acetyl CoA carboxylase (ACCase) enzyme which will do the following:

- Stop growth in target species generally within 2 days.
- Target species will yellow within 1-3 weeks.
- Target species will be completely controlled within 5 weeks.

#### Rainfastness

Applications of MPower Clodinafop Herbicide will be rainfast 30 minutes after treatment.

### ROTATIONAL CROP RESTRICTIONS

Following an application of this product, all crops (other than wheat, including Durum) must not be planted for a minimum of 30 days. All varieties of wheat, including Durum, may be planted immediately following an application of this product.

### WEEDS CONTROLLED

Treatment with MPower® Clodinafop Herbicide will provide control of the following:

- volunteer oat
- yellow foxtail
- Persian darnel

- wild oat
- giant foxtail
- green foxtail
- canarygrass
- barnyardgrass
- volunteer corn
- Italian (annual) ryegrass

This product will not provide control of broadleaf species. However, MPower Clodinafop Herbicide can be tank mixed with a broadleaf herbicide so that broad spectrum target species can be achieved in a one-pass application. Refer to the *Tank Mixtures for Control of Broadleaf Species* section below.

Products which are not specified for tank mixture with this product may be applied as a sequential treatment with MPower Clodinafop Herbicide. Sequential applications must take place a minimum of 4 days after treatment with MPower Clodinafop Herbicide.

### RESISTANCE MANAGEMENT

This product is classified as a Group 1 Herbicide (i.e., inhibits acetyl CoA carboxylase enzyme). Other products in the same classification as this product include:

Achieve®	Fusion®	Puma®
Assure® II	Hoelon®	Select®
Axial®	Poast®	
Fusilade®	Prism®	

Populations of some weed species (e.g., green foxtail, wild oat and Italian (annual) ryegrass) have been shown to display some resistance to Group 1 herbicides.

Repeated use of product(s) with the same mode of action in a target area may lead to selection of resistant biotypes. This may lead to a reduction in or failure of control when treating with MPower Clodinafop Herbicide.

Reduced control may be due to a resistant biotype if reduced control of treatment with MPower Clodinafop Herbicide cannot be attributed to environmental conditions or incorrect application.

If resistance is suspected, contact your local NewAgCo representative for assistance.

Use resistance management measures in order to reduce the likelihood of developing resistant biotypes:

1. Ensure that MPower Clodinafop Herbicide is applied in accordance with label directions with accurately calibrated application equipment.
2. Do not allow weed escapes to produce seed among crops or in fallow periods.
3. Make post emergence treatments to weeds that are small and growing actively.
4. Ensure that volume of application solution and rate are accurate and in accordance with label directions. Use the full specified rate.
5. Do not tank mix MPower Clodinafop Herbicide with products that will result in reduced control of target species.
6. Use a variety of cultural practices that will improve crop competitiveness, such as fertilizer programs, row widths and seeding rates.
7. Rotate use of this product with products with a different mode of action. Do not apply products with the same mode of action/classification in rotational crops/cereal crops in successive seasons.
8. Employ agronomic practices that will extend the range of usable, effective herbicides (e.g., fallow rotation, crop rotation).

### APPLICATION DIRECTIONS

#### Application Timing

Treat all varieties of wheat, including Durum, with MPower® Clodinafop Herbicide from the 2-leaf stage growth stage up until the pre-boot growth stage.

Do not treat winter wheat with MPower® Clodinafop Herbicide during the fall. See crop specific directions below for further directions and restrictions.

Restriction: In order to avoid crop injury, do not treat **crops** with MPower® Clodinafop Herbicide that are suffering stress due to conditions such as:

- Flooding
- Drought
- Damage from disease
- Damage from insects
- Frost
- Low fertility

Crop injury is more likely where this product is applied to wheat that has been exposed to temperatures lower than 40°F in the 48 hours after or before treatment with MPower® Clodinafop Herbicide.

In order to achieve the most effective application, apply MPower® Clodinafop Herbicide to target species that are growing actively. In addition, applying MPower® Clodinafop Herbicide early will reduce competition from weeds, thereby maximizing crop yield.

**IMPORTANT:** target species that emerge following treatment with MPower® Clodinafop Herbicide will not be controlled.

Reduced control may result where applications are made to **target species** that are suffering stress due to conditions such as:

- Flooding
- Drought
- Frost
- Heat
- Low fertility
- Prolonged cool periods

Where this product is applied during periods of stress, there is an increased risk of re-tillering or grass escapes. Delay treatment until weeds are actively growing and the cause of stress has ended.

Target Species	Timing of Treatment	
	Tillers Growth Stage	Leaves Growth Stage (Main Stem)
Giant Foxtail Green Foxtail Yellow Foxtail	Apply MPower® Clodinafop Herbicide when target species are growing actively and before the third tiller emerges.	1-5 leaf growth stage
Barnyardgrass Italian (Annual) Ryegrass Persian Dandelion Volunteer Corn	For optimum control, apply before tillering and while weeds are actively growing.	1-5 leaf growth stage
Canarygrass Volunteer Oat Wild Oat	Prior to emergence of the 4 <sup>th</sup> tiller	1-5 leaf growth stage

### USE RATES

Refer to the Weeds Controlled and Use Rates for Tank Mixtures Containing Mpower® Clodinafop Herbicide section for combinations with broadleaf weed herbicides.

MPower Adjuvant must always be used with MPower® Clodinafop Herbicide. A case of MPower® Clodinafop Herbicide case contains 1.25 gallons of MPower® Clodinafop Herbicide and 2 gallons of MPower Adjuvant. All MPower Adjuvant supplied in a case of MPower® Clodinafop Herbicide should be used when this product is applied at directed rates.

Weeds	Directions
Wild Oat Volunteer (Tame) Oat Green Foxtail Yellow Foxtail Barnyardgrass Canarygrass Volunteer Corn	3.2 oz./A of MPower® Clodinafop Herbicide plus 10.2 oz./A of MPower Adjuvant  A case of MPower® Clodinafop Herbicide will treat 50 Acres.
Giant Foxtail Persian Darnel Italian (Annual) Ryegrass	4 oz./A of MPower® Clodinafop Herbicide plus 12.8 oz./A of MPower Adjuvant  A case of MPower® Clodinafop Herbicide will treat 40 Acres.

### GROUND APPLICATION EQUIPMENT

Calibrate application equipment accurately prior to each application.

Using ground application equipment, apply the directed rate of MPower® Clodinafop Herbicide and MPower Adjuvant. Use 5-10 gals. of water per acre. Apply 10 gals. of water per acre minimum where weed species are dense or where there are dry conditions or when treating Italian (annual) ryegrass or Persian darnel.

When using spray application equipment, refer to manufacturer's directions with regard to pressure and the use of screens. Use 80° or 110° flat fan spray nozzles. Do not apply with hollow cone or flood type nozzles. In order to achieve uniform coverage, position nozzles equally spaced along the boom. For best coverage of grass target species, direct spray nozzles to the front (i.e. toward the direction of travel) at a 45° angle. For broadcast over-the-top application, calculate boom height based on the free-standing height of the crop: boom height must be a minimum of 12 inches above the crop.

Use a centrifugal pump with an agitation rate of 20 gals./minute/100 gals tank size. The pump in the spray application equipment used must be able to maintain 35-40 psi of pressure. A lower pressure may be used with low pressure or extended range nozzles. The pump must also be capable of maintaining suspension of the product through agitation of the spray tank as agitation must continue throughout mixture and spray application.

For ground applications, use a strainer or screen equipped on the suction side of the pump with 16-mesh or coarser. Unless a roller or piston pump is being used, do not put a screen in the recirculation lines. 50-mesh or coarser screens must be placed at the nozzles and between the boom and pump.

MPower® Clodinafop Herbicide must always be applied with the supplied MPower Adjuvant. Do not use any other adjuvant. Refer to Use Rates section above.

For optimal control of target species, thorough coverage is essential. Spray nozzles must be observed during application to ensure a uniform spray pattern. Ensure that spray overlay is avoided or excessive rates may result in areas of overlap.

Do not apply this product in conditions where spray drift will be excessive and/or where uniform coverage is not possible e.g. in windy conditions.

Ensure there is a buffer area between desirable vegetation and the target area to minimize the potential for spray drift.

### AERIAL APPLICATIONS

Calibrate application equipment accurately prior to each application.



Use low drift nozzles at a pressure of 40 psi maximum to apply this product at a maximum height of 10 ft. above the crop.

Combine the application solution of MPower® Clodinafop Herbicide with water for a spray volume of 3 gals./A minimum. Apply 5 gals. of water per acre minimum where weed species are dense or where there are dry conditions or when treating Italian (annual) ryegrass or Persian dandel.

MPower® Clodinafop Herbicide must always be applied with the supplied MPower Adjuvant. Do not use any other adjuvant. Refer to Use Rates section above.

In order to avoid crop injury, MPower Adjuvant must not be applied at a concentration of more than 2% of the spray solution.

Do not apply this product in conditions where spray drift will be excessive and/or where uniform coverage is not possible. Wind speed at the time of application must not exceed 10 mph.

### **AVOIDING SPRAY DRIFT - AERIAL DRIFT MANAGEMENT**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed  $\frac{3}{4}$  the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information**.

### **AERIAL DRIFT REDUCTION ADVISORY INFORMATION INFORMATION ON DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind, Temperature and Humidity**, and **Temperature Inversions**).

### **CONTROLLING DROPLET SIZE**

- **Volume-** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure-** Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles-** Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation-** Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type-** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

### BOOM LENGTH

For some use patterns, reducing the effective boom length to less than  $\frac{3}{4}$  of the wingspan or rotor length may further reduce drift without reducing swath width.

### APPLICATION HEIGHT

Applications should not be made at a height greater than 10 ft. above the top of the largest plants, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

### SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

### WIND

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Avoid all direct or indirect contact (such as spray drift) of MPower® Clodinafop Herbicide with crops other than those recommended for treatment on this label, since injury may occur.

**Chemigation:** Do not apply this product through any type of irrigation system.

### CLEANING DIRECTIONS

Application equipment must be cleaned thoroughly immediately following application, to ensure all traces of application solution are removed. Cleaning must not take place near water sources (e.g. wells) or any desirable vegetation. Follow this cleaning procedure:

1. Drain the tank, boom, and all hoses and flush with clean water for 10 minutes.
2. Remove screens and nozzles and wash separately.
3. Ensure all rinsate is disposed of in accordance with state and local regulations.

Where this product has been tank mixed with other pesticide products, read and follow the label directions of all tank mix partners where there are additional cleanup procedures/requirements.

### MIXING DIRECTIONS

1. Clean spray tank. See Cleaning Instructions above.
2. Fill the spray tank half full with clean water and begin agitation or bypass system.
3. Add the directed rate of MPower® Clodinafop Herbicide and agitate the solution for 2-3 minutes (refer to Use Rates section above).
4. Add the directed rate of MPower Adjuvant to the solution for 2-3 minutes (refer to Use Rates section above). Continue agitation throughout.
5. Following a further 1-2 minutes of agitation, add the remaining water.
6. Maintain agitation throughout mixture and application.
7. Apply the application solution as soon as it is prepared.

Drain the spray tank and clean using a detergent if oily film begins to build up.

If this product is to be tank mixed with a broadleaf herbicide, add the broadleaf herbicide before adding MPower® Clodinafop Herbicide. Agitate for 2-3 minutes prior to adding further application solution ingredients.

### CROP USE DIRECTIONS

#### WHEAT (INCLUDING DURUM)

This product can be applied to control listed weed species in all varieties of wheat, including Durum, but must not be used for treatment of wheat underseeded to forages. Applicators must ensure applications of this product do not drift to adjacent areas with vegetation other than wheat.

#### Restrictions

- Do not exceed a maximum of one application of MPower® Clodinafop Herbicide per crop season.
- Hay must not be used for feed for 30 days minimum after application.
- Treated areas must not be used for grazing or feed forage for 30 days minimum after application.
- Do not make a fall treatment with MPower® Clodinafop Herbicide in winter wheat.
- Grain must not be harvested for a minimum of 60 days after application.

### TANK MIXTURES FOR CONTROL OF BROADLEAF SPECIES

MPower Clodinafop Herbicide may be tank mixed with products listed below to ensure broad spectrum control of broadleaf weeds and annual grasses. Refer to tank mix partner label(s) for broadleaf species controlled.

Read and follow the directions of all tank mix partners. The most restrictive directions must apply.

Refer to Mixing Directions above for tank mixture procedure.

Products that are not listed in this label may be applied sequentially with MPower® Clodinafop Herbicide. For sequential applications, follow this procedure:

1. Apply MPower® Clodinafop Herbicide first.
2. Wait a minimum of 4 days prior to applying the next product sequentially.

## WEEDS CONTROLLED AND USE RATES FOR TANK MIXTURES CONTAINING MPOWER® CLODINAPOP HERBICIDE

Always apply the following amount when applying this product at the following rates:

	Oz./acre	Oz./acre
<b>Rate of MPower® Clodinafop Herbicide</b>	3.2	4.0
<b>Rate of MPower Adjuvant</b>	10.2	12.8

Treatment with tank mixtures may result in temporary crop injury where crops are under stress due to extreme temperatures or from abnormally high or inadequate moisture levels.

Suppression (also known as partial control) means there is significant activity but there is not always the level of control that is generally considered to be acceptable for commercial weed control.

Combine MPower® Clodinafop Herbicide at a rate of 3.2 oz./A plus one of the following single or two-way broadleaf herbicide combinations. Do not tank mix this product with broadleaf herbicides that are not listed in the following table.

### FOR CONTROL OF WILD OATS AND VOLUNTEER OATS

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	Rates based on 4 lbs. of active ingredient per acre
Affinity™ TankMix + MCPA Ester	0.6 oz./A + 0.5- 0.75 pt./A	0.6 oz./A + 0.5- 0.75 pt./A	Rates of MCPA based on 4 lbs. of active ingredient per acre
Affinity TankMix + Starane™	0.6 oz./A + 0.33-0.67 pt./A	0.6 oz./A + 0.33-0.67 pt./A	
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Banvel SGF®	4-6 oz./A	4-6 oz./A	
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Chiptox® MCPA	1-1.5 pt./A	1-1.5 pt./A	
Clarity®	2-3 oz./A	2-3 oz./A	
Clarity + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Curtail™	2-2.67 pt./A	2-2.67 pt./A	
Curtail + Harmony GT	--	2-2.67 pt./A + 0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Curtail M	1.75 pt./A	1.75 pt./A	
Double Up® B+D	0.75-1 pt./A	0.75-1 pt./A	
Express®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony® Extra + Bronate Advanced	0.3-0.6 oz./A + 0.6-1.2 pt./A	0.3-0.6 oz./A + 0.6-1.2 pt./A	For suppression only. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Harmony® Extra + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony® Extra + MCPA Amine	0.3-0.6 oz./A + 0.5-0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal. * Suppression only
Harmony® Extra + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony® GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Harmony® GT + Bronate Advanced	--	0.3-0.5 oz./A + 0.6 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Harmony® GT + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony® GT + MCPA Amine	0.3 oz./A + 0.5- 0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony® GT. MCPA use rate based on 4 lbs. ai per gal.
Harmony® GT + MCPA Ester	<del>0.3-0.6</del> 0.3-0.6 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Bronate Advanced	0.25-0.5 oz./A + 0.6-1.2 pt./A	0.25-0.5 oz./A + 0.6-1.2 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Peak + Buctril	0.25-0.5 oz./A + 0.75-1.5 pt./A	0.25-0.5 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Peak + Chiptox MCPA	0.25-0.5 oz./A + 1-1.5 pt./A	0.25-0.5 oz./A + 1-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Curtail M	0.25-0.5 oz./A + 1.75 pt./A	0.25-0.5 oz./A + 1.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + MCPA Amine	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Rhino™	16 oz./A	16 oz./A	
Starane	0.67 pt./A	0.67 pt./A	
Starane + Bronate Advanced	0.67 pt./A + 0.6-1.2 pt./A	0.67 pt./A + 2-2.67 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Starane + Curtail	--	0.67 pt./A + 1.75 pt./A	Suppression only
Starane + Curtail M	0.67 pt./A + 1.75 pt./A	0.67 pt./A + 1.75 pt./A	
Starane + Harmony® GT	0.67 pt./A + 0.3-0.6 oz./A	0.67 pt./A + 0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Starane + Harmony® Extra	0.67 pt./A + 0.3 oz./A	0.67 pt./A + 0.3-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Extra XP can be used as an alternative to Harmony® Extra.
Starane + Peak	0.67 pt./A + 0.25-0.5 oz./A	0.67 pt./A + 0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Starane + Sword	1.5 pt./A	1.5 pt./A	

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Starane + Sword+ Harmony® GT	1.5 pt./A + 0.3- 0.6 oz./A	1.5 pt./A + 0.3- 0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Starane + Sword + Peak	1.5 pt./A + 0.25- 0.5 oz./A	1.5 pt./A + 0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	
WECO MAX™	16 oz./A	16 oz./A	
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony® GT XP can be used as an alternative to Harmony® GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

**FOR CONTROL OF GREEN FOXTAIL AND YELLOW FOXTAIL**

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A*	0.5-0.75 pt./A	*For suppression only. Rates based on 4 lbs. of active ingredient per acre
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	For suppression only of yellow foxtail. The higher rate will provide control of green foxtail, the lower rate will provide suppression only. Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	For suppression only of yellow foxtail. The higher rate will provide control of green foxtail. The lower rate will provide suppression only of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used.
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	For suppression only of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	The lower rate will provide suppression only. The higher rate will provide control. Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	For suppression of green foxtail only. Not for control or suppression of yellow foxtail. Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Banvel SGF®	4-6 oz./A	4-6 oz./A	For suppression only.



Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Clarity®	2-3 oz./A*	2-3 oz./A	* Suppression only
Clarity + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	For suppression of green foxtail only. Not for suppression/control of yellow foxtail. MCPA use rate based on 4 lbs. ai per gal.
Curtail™	2-2.67 pt./A*	2-2.67 pt./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail.
Curtail M	1.75 pt./A	1.75 pt./A	
Express®	0.17-0.33 oz./A*	0.17-0.33 oz./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A*	0.2-0.4 oz./A**	*For suppression only. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A*	0.17-0.33 oz./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A*	0.3-0.6 oz./A**	*For suppression only. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony GT	0.3-0.6 oz./A*	0.3-0.6 oz./A	*Suppression only of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Harmony GT + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	For suppression of green foxtail only; will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony GT + MCPA Amine	0.3 oz./A + 0.5- 0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A*	*For suppression of green foxtail only; will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail; will provide control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A*	0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail; will provide control of green foxtail. MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Bronate Advanced	--	0.25-0.5 oz./A + 0.6-1.2 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Peak + Buctril	--	0.25-0.5 oz./A + 0.75-1.5 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Peak + Curtail M	0.25-0.5 oz./A + 1.75 pt./A	0.25-0.5 oz./A + 1.75 pt./A	For suppression only of green foxtail. Will not provide suppression/control of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Peak + MCPA Amine	0.25-0.5 oz./A + 0.5-0.75 pt./A*	0.25-0.5 oz./A + 0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail. Will provide control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Starane	0.67 pt./A*	0.67 pt./A**	*For suppression only of yellow foxtail; will provide control of green foxtail. **Only for control of green foxtail.
Starane + Bronate Advanced	0.67 pt./A + 0.6-1.2 pt./A*	0.67 pt./A + 2-2.67 pt./A	*For suppression only of yellow foxtail; will provide control of green foxtail. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Starane + Curtail M	0.67 pt./A + 1.75 pt./A	0.67 pt./A + 1.75 pt./A	For suppression only of yellow foxtail; will provide control of green foxtail.
Starane + Harmony GT	0.67 pt./A + 0.3-0.6 oz./A	0.67 pt./A + 0.3-0.6 oz./A	For control only of green foxtail. Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
Starane + Harmony Extra	0.67 pt./A + 0.3 oz./A	0.67 pt./A + 0.3-0.4 oz./A	For suppression only of green foxtail. Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Extra XP can be used as an alternative to Harmony Extra.
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	For control of green foxtail only; will not provide control/suppression of yellow foxtail.
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08-0.3 oz./A	1 pt./A + 0.08-0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5-0.75 pt./A	1 pt./A + 0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

## FOR CONTROL OF BARNYARDGRASS AND VOLUNTEER CORN

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

## FOR CONTROL OF CANARYGRASS

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	Rates based on 4 lbs. of active ingredient per acre
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel SGF®	4-6 oz./A	4-6 oz./A	
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Clarity®	2-3 oz./A	2-3 oz./A	
Curtail™	2-2.67 pt./A	2-2.67 pt./A	
Curtail M	1.75 pt./A	1.75 pt./A	
Express®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony Extra + MCPA Ester	--	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
Harmony GT + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Starane	0.67 pt./A	0.67 pt./A	
Starane + Sword	1.5 pt./A	1.5 pt./A	
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

**FOR CONTROL OF GIANT FOXTAIL, PERSIAN DARNEL AND ITALIAN RYEGRASS**

<b>Product</b>	<b>4.0 fl. oz. MPower Clodinafop Herbicide</b>	<b>Comments</b>
Bronate Advanced™	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
MCPA Ester	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
WideMatch	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

Do not combine tank mixtures that are not listed in this label as crop damage or reduced control of target species may result. Herbicide products that are not specified in this label may be applied sequentially with MPower® Clodinafop Herbicide.

For sequential applications, follow this procedure:

1. Apply MPower® Clodinafop Herbicide first.
2. Wait a minimum of 4 days prior to applying the next product sequentially.

**TANK MIXTURES WITH OTHER PRODUCTS**

<b>Product</b>	<b>Directions</b>
Nitrogen Fertilizer	Combine MPower® Clodinafop Herbicide with a liquid nitrogen fertilizer of up to 50% concentration in a spray solution using the following procedure: <ol style="list-style-type: none"> <li>1. Combine MPower® Clodinafop Herbicide and water</li> <li>2. Add MPower Adjuvant and mix thoroughly</li> <li>3. Add liquid nitrogen fertilizer so that it constitutes no greater than 50% of the completed application solution</li> </ol> Application of a treatment solution containing a liquid nitrogen fertilizer may result in crop burn in certain environmental conditions.
Tilt® Fungicide	For disease and weed control, combine MPower® Clodinafop Herbicide with Tilt Fungicide. Refer to the Tilt Fungicide label for directions, restrictions and diseases controlled. Use labeled rates of Tilt Fungicide combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure: <ol style="list-style-type: none"> <li>1. Add Tilt Fungicide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> Read and follow the directions of all tank mix partners. The most restrictive label must apply.

Product	Directions
Warrior Insecticide	<p>For insect and weed control, combine MPower® Clodinafop Herbicide with Warrior Insecticide. Refer to the Warrior Insecticide label for directions, restrictions and insects controlled. Use labeled rates of Warrior Insecticide combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure:</p> <ol style="list-style-type: none"> <li>1. Add Warrior Insecticide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> <p>Read and follow the directions of all tank mix partners. The most restrictive label must apply.</p>
Quilt Fungicide	<p>For suppression of disease in the early season and grass control in all wheat varieties (including durum), combine MPower® Clodinafop Herbicide with Quilt Fungicide. Refer to the Quilt Fungicide label for directions, restrictions and diseases controlled/suppressed. Use labeled rates of Quilt Fungicide at a rate of 7 oz./acre combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure:</p> <ol style="list-style-type: none"> <li>1. Add Warrior Insecticide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> <p>Read and follow the directions of all tank mix partners. The most restrictive label must apply. Application of a treatment solution containing Quilt Fungicide may result in crop burn in certain environmental conditions.</p>

Read and follow the directions of all tank mix partners, including those directions relating to tank mixtures with liquid nitrogen fertilizers. The most restrictive label must apply.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container tightly closed and in a cool, dry place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

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### WARRANTY STATEMENT

The label instructions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of NewAgco, Inc. All risks shall be assumed by the user.

To the extent consistent with applicable law, NewAgco, Inc., or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NEWAGCO, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF NEWAGCO, INC., OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

NewAgco, Inc. warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for use therein described when used in accordance with the Directions for Use set forth in the Complete Directions for Use booklet (Directions), subject to the risks referred to above. Any damage arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages, such as loss of profits or values or any other special or indirect damages.

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[Base Label, 1.25 Gallon Jug]

**MPower® Clodinafop Herbicide**

A postemergence herbicide for control of grass weeds in spring wheat and Durum wheat

Active Ingredient:

Clodinafop-propargyl\* .....22.3%

Other Ingredients: .....77.7%

Total: .....100.0%

\*CAS No. 105512-06-9

This product contains petroleum distillates.

MPower® Clodinafop Herbicide contains 2 lbs. of clodinafop-propargyl active ingredient per gallon.

EPA Reg. No. 86794-A

EPA Est.

**See Directions for Use, Storage and Disposal, and other Precautionary Statements inside attached booklet.****AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**KEEP OUT OF REACH OF CHILDREN.****WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

**FIRST AID**

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 -20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 -20 minutes.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	

**HOT LINE NUMBER**

Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

**Precautionary Statements  
Hazards to Humans and Domestic Animals****WARNING/AVISO**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin, eyes or clothing. Wear protective eyewear such as safety glasses. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof or chemical-resistant gloves, such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing, or loading

**USER SAFETY REQUIREMENTS**

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE- separately from other laundry.

**Engineering Control Statements**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS****Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame. Do not mix or allow product to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

**Aerial Drift Management Requirements**

Do not apply this product by air, unless the supplemental labeling on **Aerial Drift Management** in attached booklet is followed.

**Chemigation Prohibition**

Do not apply this product through any type of irrigation system.

[EPA-20141219] EPA 20150401

# PROCESSING REQUEST

Reg #: 86794-6

Decision #: 486811

Description: New Product Registration

## Material Available Electronically (see PPLS):

☒ Electronic Label/Letter Dated: Dec. 22, 2014

☐ Other:

## Material Sent (see jacket):

☒ Stamped Label/Letter Dated: Dec. 22, 2014

☐ Notification Dated:

New CSF(s) Dated:

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Driss Benmhend

Division: RD

Phone: (703) 308-9525

Date: Dec. 19, 2014



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

86794-6

Date of Issuance:

12/19/2014

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Mpower Clodinafop Herbicide

Name and Address of Registrant (include ZIP Code):

NewAgco, Inc.  
c/o Pyxix Regulatory Consulting, Inc.  
4110 136<sup>th</sup> St. NW.  
Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied for the **safener ingredient**. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Shaja B. Joyner Product Manager 20  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Date:

12/19/2014

EPA Form 8570-6

3. You are required comply with the data requirements described in the DI identified below:

a. Clodinafop-propargyl GDCI-066501-1402

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: [http://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)

4. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, "EPA Reg. No. 86794-6."

5. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/21/2014

If you have any questions contact Driss Benmhend at 703-308-9525 or by e-mail at: [Benmhend.driss@epa.gov](mailto:Benmhend.driss@epa.gov).

Sincerely,



Shaja B. Joyner Product Manager 20  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

**MPOWER® CLODINAFOP HERBICIDE**

A postemergence herbicide for control of grass weeds in spring wheat and Durum wheat

**ACTIVE INGREDIENT:**

Clodinafop-Propargyl\*.....22.3%

OTHER INGREDIENTS.....77.7%

TOTAL.....100.0%

This product contains petroleum distillates.

MPower® Clodinafop Herbicide contains 2 lbs. of clodinafop-propargyl active ingredient per gallon.

\*CAS No. 105512-06-9

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING/AVISO**

Si usted no entiendela etiqueta, busque a alguien para que se la explique a usted en detalle.  
 (If you do not understand the label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
IF IN EYES:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 -20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
IF SWALLOWED	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 -20 minutes.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
IF INHALED	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.	

EPA Reg. No. 86794-A

EPA Est. No.

NET CONTENTS: xx gallons

Manufactured for:  
 NewAgco Inc.  
 Orena, St. Lawrence Main Road  
 Christ Church, Barbados BB15029

**ACCEPTED**

**12/19/2014**

Under the Federal Insecticide, Fungicide  
 and Rodenticide Act as amended, for the  
 pesticide registered under  
 EPA Reg. No. 86794-6

## **PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS WARNING**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin, eyes or clothing. Wear protective eyewear such as safety glasses. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

## **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof or chemical-resistant gloves, such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing, or loading

## **USER SAFETY REQUIREMENTS**

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## **USER SAFETY RECOMMENDATIONS**

### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## **PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not mix or allow product to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

## **DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

Use this product only in accordance with label directions and restrictions contained in this label or in EPA approved supplemental labeling for MPower Clodinafop Herbicide.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.



### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves. Such as barrier laminate or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY AND/OR POOR WEED CONTROL.**

### PRODUCT INFORMATION

Apply this product for control of listed weed and grass species in all varieties of wheat, including Durum. For consistent control, target species must be thoroughly covered with an application of MPower Clodinafop Herbicide.

#### Mode of Action

When MPower Clodinafop Herbicide is applied as a postemergence treatment, it is absorbed rapidly by the foliage of target species and then translocated to growing points.

The level of control will depend upon the following:

- Coverage with an application of MPower Clodinafop Herbicide.
- Growing/environmental conditions.
- Type of weed species.
- Crop competition.

Once it has translocated, MPower Clodinafop Herbicide inhibits the acetyl CoA carboxylase (ACCase) enzyme which will do the following:

- Stop growth in target species generally within 2 days.
- Target species will yellow within 1-3 weeks.
- Target species will be completely controlled within 5 weeks.

#### Rainfastness

Applications of MPower Clodinafop Herbicide will be rainfast 30 minutes after treatment.

### ROTATIONAL CROP RESTRICTIONS

Following an application of this product, all crops (other than wheat, including Durum) must not be planted for a minimum of 30 days. All varieties of wheat, including Durum, may be planted immediately following an application of this product.

### WEEDS CONTROLLED

Treatment with MPower® Clodinafop Herbicide will provide control of the following:

- |                 |                  |                             |
|-----------------|------------------|-----------------------------|
| • volunteer oat | • yellow foxtail | • Persian dandelion         |
| • wild oat      | • canarygrass    | • Italian (annual) ryegrass |
| • giant foxtail | • barnyardgrass  |                             |
| • green foxtail | • volunteer corn |                             |

This product will not provide control of broadleaf species. However, MPower Clodinafop Herbicide can be tank mixed with a broadleaf herbicide so that broad spectrum target species can be achieved in a one-pass application. Refer to the *Tank Mixtures for Control of Broadleaf Species* section below.

Products which are not specified for tank mixture with this product may be applied as a sequential treatment with MPower Clodinafop Herbicide. Sequential applications must take place a minimum of 4 days **after** treatment with MPower Clodinafop Herbicide.

### RESISTANCE MANAGEMENT

This product is classified as a Group 1 Herbicide (i.e., inhibits acetyl CoA carboxylase enzyme). Other products in the same classification as this product include:

Achieve®  
Assure® II  
Axial®  
Fusilade®

Fusion®  
Hoelon®  
Poast®  
Prism®

Puma®  
Select®

Populations of some weed species (e.g., green foxtail, wild oat and Italian (annual) ryegrass) have been shown to display some resistance to Group 1 herbicides.

Repeated use of product(s) with the same mode of action in a target area may lead to selection of resistant biotypes. This may lead to a reduction in or failure of control when treating with MPower Clodinafop Herbicide.

Reduced control may be due to a resistant biotype if reduced control of treatment with MPower Clodinafop Herbicide cannot be attributed to environmental conditions or incorrect application.

If resistance is suspected, contact your local NewAgCo representative for assistance.

Use resistance management measures in order to reduce the likelihood of developing resistant biotypes:

1. Ensure that MPower Clodinafop Herbicide is applied in accordance with label directions with accurately calibrated application equipment.
2. Do not allow weed escapes to produce seed among crops or in fallow periods.
3. Make post emergence treatments to weeds that are small and growing actively.
4. Ensure that volume of application solution and rate are accurate and in accordance with label directions. Use the full specified rate.
5. Do not tank mix MPower Clodinafop Herbicide with products that will result in reduced control of target species.
6. Use a variety of cultural practices that will improve crop competitiveness, such as fertilizer programs, row widths and seeding rates.
7. Rotate use of this product with products with a different mode of action. Do not apply products with the same mode of action/classification in rotational crops/cereal crops in successive seasons.
8. Employ agronomic practices that will extend the range of usable, effective herbicides (e.g., fallow rotation, crop rotation).

### APPLICATION DIRECTIONS

#### Application Timing

Treat all varieties of wheat, including Durum, with MPower® Clodinafop Herbicide from the 2-leaf stage growth stage up until the pre-boot growth stage.

Do not treat winter wheat with MPower® Clodinafop Herbicide during the fall. See crop specific directions below for further directions and restrictions.

Restriction: In order to avoid crop injury, do not treat **crops** with MPower® Clodinafop Herbicide that are suffering stress due to conditions such as:

- Flooding
- Drought
- Damage from disease
- Damage from insects
- Frost
- Low fertility

Crop injury is more likely where this product is applied to wheat that has been exposed to temperatures lower than 40°F in the 48 hours after or before treatment with MPower® Clodinafop Herbicide.

In order to achieve the most effective application, apply MPower® Clodinafop Herbicide to target species that are growing actively. In addition, applying MPower® Clodinafop Herbicide early will reduce competition from weeds, thereby maximizing crop yield.

**IMPORTANT:** target species that emerge following treatment with MPower® Clodinafop Herbicide will not be controlled.

Reduced control may result where applications are made to **target species** that are suffering stress due to conditions such as:

- Flooding
- Drought
- Frost
- Heat
- Frost
- Low fertility
- Prolonged cool periods

Where this product is applied during periods of stress, there is an increased risk of re-tillering or grass escapes. Delay treatment until weeds are actively growing and the cause of stress has ended.

Target Species	Timing of Treatment	
	Tillers Growth Stage	Leaves Growth Stage (Main Stem)
Giant Foxtail Green Foxtail Yellow Foxtail	Apply MPower® Clodinafop Herbicide when target species are growing actively and before the third tiller emerges.	1-5 leaf growth stage
Barnyardgrass Italian (Annual) Ryegrass Persian Darnel Volunteer Corn	For optimum control, apply before tillering and while weeds are actively growing.	1-5 leaf growth stage
Canarygrass Volunteer Oat Wild Oat	Prior to emergence of the 4 <sup>th</sup> tiller	1-5 leaf growth stage

### USE RATES

Refer to the Weeds Controlled and Use Rates for Tank Mixtures Containing Mpower® Clodinafop Herbicide section for combinations with broadleaf weed herbicides.

MPower Adjuvant must always be used with MPower® Clodinafop Herbicide. A case of MPower® Clodinafop Herbicide case contains 1.25 gallons of MPower® Clodinafop Herbicide and 2 gallons of MPower Adjuvant. All MPower Adjuvant supplied in a case of MPower® Clodinafop Herbicide should be used when this product is applied at directed rates.

Weeds	Directions
Wild Oat Volunteer (Tame) Oat Green Foxtail Yellow Foxtail Barnyardgrass Canarygrass Volunteer Corn	3.2 oz./A of MPower® Clodinafop Herbicide plus 10.2 oz./A of MPower Adjuvant  A case of MPower® Clodinafop Herbicide will treat 50 Acres.

Giant Foxtail Persian Darnel Italian (Annual) Ryegrass	4 oz./A of MPower® Clodinafop Herbicide plus 12.8 oz./A of MPower Adjuvant  A case of MPower® Clodinafop Herbicide will treat 40 Acres.
--	---

### GROUND APPLICATION EQUIPMENT

Calibrate application equipment accurately prior to each application.

Using ground application equipment, apply the directed rate of MPower® Clodinafop Herbicide and MPower Adjuvant. Use 5-10 gals. of water per acre. Apply 10 gals. of water per acre minimum where weed species are dense or where there are dry conditions or when treating Italian (annual) ryegrass or Persian darnel.

When using spray application equipment, refer to manufacturer's directions with regard to pressure and the use of screens. Use 80° or 110° flat fan spray nozzles. Do not apply with hollow cone or flood type nozzles. In order to achieve uniform coverage, position nozzles equally spaced along the boom. For best coverage of grass target species, direct spray nozzles to the front (i.e. toward the direction of travel) at a 45° angle. For broadcast over-the-top application, calculate boom height based on the free-standing height of the crop: boom height must be a minimum of 12 inches above the crop.

Use a centrifugal pump with an agitation rate of 20 gals./minute/100 gals tank size. The pump in the spray application equipment used must be able to maintain 35-40 psi of pressure. A lower pressure may be used with low pressure or extended range nozzles. The pump must also be capable of maintaining suspension of the product through agitation of the spray tank as agitation must continue throughout mixture and spray application.

For ground applications, use a strainer or screen equipped on the suction side of the pump with 16-mesh or coarser. Unless a roller or piston pump is being used, do not put a screen in the recirculation lines. 50-mesh or coarser screens must be placed at the nozzles and between the boom and pump.

MPower® Clodinafop Herbicide must always be applied with the supplied MPower Adjuvant. Do not use any other adjuvant. Refer Use Rates section above.

For optimal control of target species, thorough coverage is essential. Spray nozzles must be observed during application to ensure a uniform spray pattern. Ensure that spray overlay is avoided or excessive rates may result in areas of overlap.

Do not apply this product in conditions where spray drift will be excessive and/or where uniform coverage is not possible e.g. in windy conditions.

Ensure there is a buffer area between desirable vegetation and the target area to minimize the potential for spray drift.

### AERIAL APPLICATIONS

Calibrate application equipment accurately prior to each application.

Use low drift nozzles at a pressure of 40 psi maximum to apply this product at a maximum height of 10 ft. above the crop.

Combine the application solution of MPower® Clodinafop Herbicide with water for a spray volume of 3 gals./A minimum. Apply 5 gals. of water per acre minimum where weed species are dense or where there are dry conditions or when treating Italian (annual) ryegrass or Persian darnel.

MPower® Clodinafop Herbicide must always be applied with the supplied MPower Adjuvant. Do not use any other adjuvant. Refer Use Rates section above.

In order to avoid crop injury, MPower Adjuvant must not be applied at a concentration of more than 2% of the spray solution.

Do not apply this product in conditions where spray drift will be excessive and/or where uniform coverage is not possible. Wind speed at the time of application must not exceed 10 mph.

### **AVOIDING SPRAY DRIFT - AERIAL DRIFT MANAGEMENT**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed  $\frac{3}{4}$  the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information**.

### **AERIAL DRIFT REDUCTION ADVISORY INFORMATION INFORMATION ON DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind, Temperature and Humidity**, and **Temperature Inversions**).

### **CONTROLLING DROPLET SIZE**

- **Volume-** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure-** Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles-** Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation-** Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type-** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

### **BOOM LENGTH**

For some use patterns, reducing the effective boom length to less than  $\frac{3}{4}$  of the wingspan or rotor length may further reduce drift without reducing swath width.

### **APPLICATION HEIGHT**

Applications should not be made at a height greater than 10 ft. above the top of the largest plants, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

### **SWATH ADJUSTMENT**

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by

adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

### WIND

Drift potential is lowest between wind speeds of 2-10 mph, however, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Avoid all direct or indirect contact (such as spray drift) of MPower® Clodinafop Herbicide with crops other than those recommended for treatment on this label, since injury may occur.

**Chemigation:** Do not apply this product through any type of irrigation system.

### CLEANING DIRECTIONS

Application equipment must be cleaned thoroughly immediately following application, to ensure all traces of application solution are removed. Cleaning must not take place near water sources (e.g. wells) or any desirable vegetation. Follow this cleaning procedure:

1. Drain the tank, boom, and all hoses and flush with clean water for 10 minutes.
2. Remove screens and nozzles and wash separately.
3. Ensure all rinsate is disposed of in accordance with state and local regulations.

Where this product has been tank mixed with other pesticide products, read and follow the label directions of all tank mix partners where there are additional cleanup procedures/requirements.

## MIXING DIRECTIONS

1. Clean spray tank. See Cleaning Instructions above.
2. Fill the spray tank half full with clean water and begin agitation or bypass system.
3. Add the directed rate of MPower® Clodinafop Herbicide and agitate the solution for 2-3 minutes (refer to Use Rates section above).
4. Add the directed rate of MPower Adjuvant to the solution for 2-3 minutes (refer to Use Rates section above). Continue agitation throughout.
5. Following a further 1-2 minutes of agitation, add the remaining water.
6. Maintain agitation throughout mixture and application.
7. Apply the application solution as soon as it is prepared.

Drain the spray tank and clean using a detergent if oily film begins to build up.

If this product is to be tank mixed with a broadleaf herbicide, add the broadleaf herbicide before adding MPower® Clodinafop Herbicide. Agitate for 2-3 minutes prior to adding further application solution ingredients.

## CROP USE DIRECTIONS

### WHEAT (INCLUDING DURUM)

This product can be applied to control listed weed species in all varieties of wheat, including Durum, but must not be used for treatment of wheat underseeded to forages. Applicators must ensure applications of this product do not drift to adjacent areas with vegetation other than wheat.

#### Restrictions

- Do not exceed a maximum of one application of MPower® Clodinafop Herbicide per crop season.
- Hay must not be used for feed for 30 days minimum after application.
- Treated areas must not be used for grazing or feed forage for 30 days minimum after application.
- Do not make a fall treatment with MPower® Clodinafop Herbicide in winter wheat.
- Grain must not be harvested for a minimum of 60 days after application.

## TANK MIXTURES FOR CONTROL OF BROADLEAF SPECIES

MPower Clodinafop Herbicide may be tank mixed with products listed below to ensure broad spectrum control of broadleaf weeds and annual grasses. Refer to tank mix partner label(s) for broadleaf species controlled.

Read and follow the directions of all tank mix partners. The most restrictive directions must apply.

Refer to Mixing Directions above for tank mixture procedure.

Products that are not listed in this label may be applied sequentially with MPower® Clodinafop Herbicide. For sequential applications, follow this procedure:

1. Apply MPower® Clodinafop Herbicide first.
2. Wait a minimum of 4 days prior to applying the next product sequentially.

## WEEDS CONTROLLED AND USE RATES FOR TANK MIXTURES CONTAINING MPOWER® CLODINAFOP HERBICIDE

Always apply the following amount when applying this product at the following rates:

	Oz./acre	Oz./acre
<b>Rate of MPower® Clodinafop Herbicide</b>	3.2	4.0
<b>Rate of MPower Adjuvant</b>	10.2	12.8

Treatment with tank mixtures may result in temporary crop injury where crops are under stress due to extreme temperatures or from abnormally high or inadequate moisture levels.

Suppression (also known as partial control) means there is significant activity but there is not always the level of control that is generally considered to be acceptable for commercial weed control.

Combine MPower® Clodinafop Herbicide at a rate of 3.2 oz./A plus one of the following single or two-way broadleaf herbicide combinations. Do not tank mix this product with broadleaf herbicides that are not listed in the following table.

#### FOR CONTROL OF WILD OATS AND VOLUNTEER OATS

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	Rates based on 4 lbs. of active ingredient per acre
Affinity™ TankMix + MCPA Ester	0.6 oz./A + 0.5- 0.75 pt./A	0.6 oz./A + 0.5-0.75 pt./A	Rates of MCPA based on 4 lbs. of active ingredient per acre
Affinity TankMix + Starane™	0.6 oz./A + 0.33-0.67 pt./A	0.6 oz./A + 0.33-0.67 pt./A	
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Banvel SGF®	4-6 oz./A	4-6 oz./A	
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.



Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Chiptox® MCPA	1-1.5 pt./A	1-1.5 pt./A	
Clarity®	2-3 oz./A	2-3 oz./A	
Clarity + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Curtail™	2-2.67 pt./A	2-2.67 pt./A	
Curtail + Harmony GT	--	2-2.67 pt./A + 0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Curtail M	1.75 pt./A	1.75 pt./A	
Double Up® B+D	0.75-1 pt./A	0.75-1 pt./A	
Express®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. <sup>6</sup> Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony® Extra + Bronate Advanced	0.3-0.6 oz./A + 0.6-1.2 pt./A	0.3-0.6 oz./A + 0.6-1.2 pt./A	For suppression only. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Harmony® Extra + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Harmony® Extra + MCPA Amine	0.3-0.6 oz./A + 0.5-0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal. * Suppression only
Harmony® Extra + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony® GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Harmony® GT + Bronate Advanced	--	0.3-0.5 oz./A + 0.6 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Harmony® GT + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony® GT + MCPA Amine	0.3 oz./A + 0.5- 0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony® GT. MCPA use rate based on 4 lbs. ai per gal.
Harmony® GT + MCPA Ester	0.0 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Peak + Bronate Advanced	0.25-0.5 oz./A + 0.6-1.2 pt./A	0.25-0.5 oz./A + 0.6-1.2 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Peak + Buctril	0.25-0.5 oz./A + 0.75-1.5 pt./A	0.25-0.5 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Peak + Chiptox MCPA	0.25-0.5 oz./A + 1-1.5 pt./A	0.25-0.5 oz./A + 1-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Curtail M	0.25-0.5 oz./A + 1.75 pt./A	0.25-0.5 oz./A + 1.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + MCPA Amine	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Rhino™	16 oz./A	16 oz./A	
Starane	0.67 pt./A	0.67 pt./A	
Starane + Bronate Advanced	0.67 pt./A + 0.6- 1.2 pt./A	0.67 pt./A + 2- 2.67 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Starane + Curtail	--	0.67 pt./A + 1.75 pt./A	Suppression only
Starane + Curtail M	0.67 pt./A + 1.75 pt./A	0.67 pt./A + 1.75 pt./A	
Starane + Harmony® GT	0.67 pt./A + 0.3- 0.6 oz./A	0.67 pt./A + 0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Starane + Harmony® Extra	0.67 pt./A + 0.3 oz./A	0.67 pt./A + 0.3-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Extra XP can be used as an alternative to Harmony® Extra.
Starane + Peak	0.67 pt./A + 0.25-0.5 oz./A	0.67 pt./A + 0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Starane + Sword	1.5 pt./A	1.5 pt./A	

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Starane + Sword+ Harmony® GT	1.5 pt./A + 0.3- 0.6 oz./A	1.5 pt./A + 0.3- 0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Starane + Sword + Peak	1.5 pt./A + 0.25- 0.5 oz./A	1.5 pt./A + 0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	
WECO MAX™	16 oz./A	16 oz./A	
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony® GT XP can be used as an alternative to Harmony® GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

**FOR CONTROL OF GREEN FOXTAIL AND YELLOW FOXTAIL**

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A*	0.5-0.75 pt./A	*For suppression only. Rates based on 4 lbs. of active ingredient per acre
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	For suppression only of yellow foxtail. The higher rate will provide control of green foxtail, the lower rate will provide suppression only. Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	For suppression only of yellow foxtail. The higher rate will provide control of green foxtail. The lower rate will provide suppression only of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used.
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	For suppression only of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	The lower rate will provide suppression only. The higher rate will provide control. Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	For suppression of green foxtail only. Not for control or suppression of yellow foxtail. Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Banvel SGF®	4-6 oz./A	4-6 oz./A	For suppression only.
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Clarity®	2-3 oz./A*	2-3 oz./A	* Suppression only
Clarity + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	For suppression of green foxtail only. Not for suppression/control of yellow foxtail. MCPA use rate based on 4 lbs. ai per gal.
Curtail™	2-2.67 pt./A*	2-2.67 pt./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail.
Curtail M	1.75 pt./A	1.75 pt./A	
Express®	0.17-0.33 oz./A*	0.17-0.33 oz./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A*	0.2-0.4 oz./A**	*For suppression only. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A*	0.17-0.33 oz./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A*	0.3-0.6 oz./A**	*For suppression only. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony GT	0.3-0.6 oz./A*	0.3-0.6 oz./A	*Suppression only of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Harmony GT + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	For suppression of green foxtail only; will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony GT + MCPA Amine	0.3 oz./A + 0.5- 0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A*	*For suppression of green foxtail only; will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail; will provide control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A*	0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail; will provide control of green foxtail. MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Bronate Advanced	--	0.25-0.5 oz./A + 0.6-1.2 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Peak + Buctril	--	0.25-0.5 oz./A + 0.75-1.5 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Peak + Curtail M	0.25-0.5 oz./A + 1.75 pt./A	0.25-0.5 oz./A + 1.75 pt./A	For suppression only of green foxtail. Will not provide suppression/control of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Peak + MCPA Amine	0.25-0.5 oz./A + 0.5-0.75 pt./A*	0.25-0.5 oz./A + 0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail. Will provide control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Starane	0.67 pt./A*	0.67 pt./A**	*For suppression only of yellow foxtail; will provide control of green foxtail. **Only for control of green foxtail.
Starane + Bronate Advanced	0.67 pt./A + 0.6-1.2 pt./A*	0.67 pt./A + 2-2.67 pt./A	*For suppression only of yellow foxtail; will provide control of green foxtail. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Starane + Curtail M	0.67 pt./A + 1.75 pt./A	0.67 pt./A + 1.75 pt./A	For suppression only of yellow foxtail; will provide control of green foxtail.
Starane + Harmony GT	0.67 pt./A + 0.3-0.6 oz./A	0.67 pt./A + 0.3-0.6 oz./A	For control only of green foxtail. Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
Starane + Harmony Extra	0.67 pt./A + 0.3 oz./A	0.67 pt./A + 0.3-0.4 oz./A	For suppression only of green foxtail. Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Extra XP can be used as an alternative to Harmony Extra.
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	For control of green foxtail only; will not provide control/suppression of yellow foxtail.
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08-0.3 oz./A	1 pt./A + 0.08-0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5-0.75 pt./A	1 pt./A + 0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

**FOR CONTROL OF BARNYARDGRASS AND VOLUNTEER CORN**

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

**FOR CONTROL OF CANARYGRASS**

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	Rates based on 4 lbs. of active ingredient per acre
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel SGF®	4-6 oz./A	4-6 oz./A	
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.



Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Clarity®	2-3 oz./A	2-3 oz./A	
Curtail™	2-2.67 pt./A	2-2.67 pt./A	
Curtail M	1.75 pt./A	1.75 pt./A	
Express®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony Extra + MCPA Ester	--	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
Harmony GT + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Starane	0.67 pt./A	0.67 pt./A	
Starane + Sword	1.5 pt./A	1.5 pt./A	
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

**FOR CONTROL OF GIANT FOXTAIL, PERSIAN DARNEL AND ITALIAN RYEGRASS**

<b>Product</b>	<b>4.0 fl. oz. MPower Clodinafop Herbicide</b>	<b>Comments</b>
Bronate Advanced™	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
MCPA Ester	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
WideMatch	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08-0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

Do not combine tank mixtures that are not listed in this label as crop damage or reduced control of target species may result. Herbicide products that are not specified in this label may be applied sequentially with MPower® Clodinafop Herbicide.

For sequential applications, follow this procedure:

1. Apply MPower® Clodinafop Herbicide first.
2. Wait a minimum of 4 days prior to applying the next product sequentially.

**TANK MIXTURES WITH OTHER PRODUCTS**

<b>Product</b>	<b>Directions</b>
Nitrogen Fertilizer	Combine MPower® Clodinafop Herbicide with a liquid nitrogen fertilizer of up to 50% concentration in a spray solution using the following procedure: <ol style="list-style-type: none"> <li>1. Combine MPower® Clodinafop Herbicide and water</li> <li>2. Add MPower Adjuvant and mix thoroughly</li> <li>3. Add liquid nitrogen fertilizer so that it constitutes no greater than 50% of the completed application solution</li> </ol> Application of a treatment solution containing a liquid nitrogen fertilizer may result in crop burn in certain environmental conditions.
Tilt® Fungicide	For disease and weed control, combine MPower® Clodinafop Herbicide with Tilt Fungicide. Refer to the Tilt Fungicide label for directions, restrictions and diseases controlled. Use labeled rates of Tilt Fungicide combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure: <ol style="list-style-type: none"> <li>1. Add Tilt Fungicide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> Read and follow the directions of all tank mix partners. The most restrictive label must apply.

Product	Directions
Warrior Insecticide	<p>For insect and weed control, combine MPower® Clodinafop Herbicide with Warrior Insecticide. Refer to the Warrior Insecticide label for directions, restrictions and insects controlled. Use labeled rates of Warrior Insecticide combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure:</p> <ol style="list-style-type: none"> <li>1. Add Warrior Insecticide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> <p>Read and follow the directions of all tank mix partners. The most restrictive label must apply.</p>
Quilt Fungicide	<p>For suppression of disease in the early season and grass control in all wheat varieties (including durum), combine MPower® Clodinafop Herbicide with Quilt Fungicide. Refer to the Quilt Fungicide label for directions, restrictions and diseases controlled/suppressed. Use labeled rates of Quilt Fungicide at a rate of 7 oz./acre combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure:</p> <ol style="list-style-type: none"> <li>1. Add Warrior Insecticide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> <p>Read and follow the directions of all tank mix partners. The most restrictive label must apply. Application of a treatment solution containing Quilt Fungicide may result in crop burn in certain environmental conditions.</p>

Read and follow the directions of all tank mix partners, including those directions relating to tank mixtures with liquid nitrogen fertilizers. The most restrictive label must apply.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container tightly closed and in a cool, dry place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

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WECO MAX™ trademark of Wilbur-Ellis Company

### WARRANTY STATEMENT

The label instructions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of **NewAgco, Inc.** All risks shall be assumed by the user.

To the extent consistent with applicable law, **NewAgco, Inc.**, or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NEWAGCO, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF NEWAGCO, INC., OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

**NewAgco, Inc.** warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for use therein described when used in accordance with the Directions for Use set forth in the Complete Directions for Use booklet (Directions), subject to the risks referred to above. Any damage arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages, such as loss of profits or values or any other special or indirect damages.

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[Base Label, 1.25 Gallon Jug]

**MPower® Clodinafop Herbicide**

A postemergence herbicide for control of grass weeds in spring wheat and Durum wheat

Active Ingredient:

Clodinafop-propargyl\* .....22.3%

Other Ingredients: .....77.7%

Total: .....100.0%

\*CAS No. 105512-06-9

This product contains petroleum distillates.

MPower® Clodinafop Herbicide contains 2 lbs. of clodinafop-propargyl active ingredient per gallon.

EPA Reg. No. 86794-A

EPA Est.

**See Directions for Use, Storage and Disposal, and other Precautionary Statements inside attached booklet.**

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**KEEP OUT OF REACH OF CHILDREN.****WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

**FIRST AID**

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 -20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 -20 minutes.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**NOTE TO PHYSICIAN**

Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

**HOT LINE NUMBER**

Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

**Precautionary Statements**  
**Hazards to Humans and Domestic Animals**  
**WARNING/AVISO**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin, eyes or clothing. Wear protective eyewear such as safety glasses. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof or chemical-resistant gloves, such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing, or loading

**USER SAFETY REQUIREMENTS**

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE- separately from other laundry.

**Engineering Control Statements**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame. Do not mix or allow product to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

**Aerial Drift Management Requirements**

Do not apply this product by air, unless the supplemental labeling on **Aerial Drift Management** in attached booklet is followed.

**Chemigation Prohibition**

Do not apply this product through any type of irrigation system.

[EPA approval date]



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION  
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

DP BARCODE No.: D418239; FILE SYMBOL No.: 86794-A; PRODUCT NAME: MPower Clodinafop  
Herbicide; DECISION No.: 486811; PC Code(s): 125203; ACTION CODE: R334;  
FOOD Use: Yes

DATE OUT: December 8, 2014

SUBJECT: End Use Product Chemistry Review  
Product Name: MPower Clodinafop Herbicide

FROM: Debra Rate, Ph.D. *Debra Rate*  
Biologist  
Registration Division (7505P)

TO: Driss Benmhend / Shaja Joyner, RM 20  
Herbicide and Fungicide Branch / RD (7505P)

REGISTRANT: NewAgCo, Inc.26

USE: Herbicide

FOOD USE: Yes ☒ No ☐

MRID Numbers: 491332-01, 491332-02, 491332-03, 491332-04, 491332-05, 493167-01,  
493167-02 and 493167-03

Formulation Type: Emulsified Concentrate

**INTRODUCTION:**

The registrant, NewAgCo, Inc., has submitted an application to register a new end use product, MPower Clodinafop Herbicide, containing clodinafop-propargyl as the active ingredient with a product label claim of 22.3%. The registrant has claimed that the proposed product is substantially similar to the registered product with Reg. No. 100-907. The registrant has submitted 830 Series Group A and Group B product chemistry with MRID Nos. 491332-01, 491332-02, and 491332-03, as well as MRID Nos. 493167-01, 493167-02 and 493167-03 for the unregistered source of safener, to support the registration of the proposed product. The registrant has submitted a revised CSF for basic formulation (dated 11/21/2014) for the proposed product.

CITAB (Chemistry) has been asked to determine the acceptability of the proposed basic CSF and the submitted Group A & B product chemistry data for the proposed end use product and unregistered source of safener, and determine if the submitted package supports the registration.

**SUMMARY OF FINDINGS:**

1. Name of Active Ingredient(s): Clodinafop-Propargyl (22.3%)
2. Has the registrant claimed substantial similarity to a registered product?

[X] Yes; [ ] No; [ ] NA; if yes give the registration number of the cited product.

EPA Reg. No: 100-907

3. All of the source materials of the active ingredient are derived from registered sources  
☐ Yes; ☒ No

Although the active ingredient is from a registered source, the product contains an unregistered source of safener which will be described in the Confidential Appendix.

4. All inert ingredients have been screened by CITAB and found to be approved for the proposed Label uses: ☒ Yes; ☐ No; ☐ NA.

5. Confidential Statement of Formula(s):

☒ Proposed Basic - Dated: 01/07/2014 Re-submitted - Dated: 11/21/2014

☐ Proposed Alternate CSF – Dated: ; Re-submitted – Dated:

Alternate CSF(s) complies with 40CFR§152.43: ☐ Yes; ☐ No; ☒ NA

6. Product label

- a. Ingredient statement: Nominal concentration of AI listed on CSF(s) concurs with Product label (PR Notice 91-2).

☒ Yes, if not, explain below:

Is the sub statement in compliance with PR Notice 97-6 (inert ingredient vs other ingredients)?

☐ Yes; ☒ No; if not, explain below

Metallic equivalent: ☐ Yes ☒ NA;

Soluble arsenic: ☐ Yes ☒ NA

Isomeric ratios: ☐ Yes ☒ NA;

Acid Equivalent: ☐ Yes ☒ NA;

- b. Health related sub statements: Product contains?

Petroleum distillate at > 10%: ☒ Yes ☐ No ☐ NA

Methanol at > 4%: ☐ Yes ☒ No ☐ NA

Sodium nitrate/Sodium nitrite ☐ Yes ☒ No ☐ NA

- c. Physical chemical hazard statement: Product label requires a statement per 40 CFR§156.78 for: flammability, explosive potential or electric insulator breakdown?  
☐ Yes ☒ No

Is the sub statement in compliance with PR Notice 98-6 (Total Release Fogger)?

☐ Yes; ☐ No; ☒ NA; if not, explain below:



d. Label requires an additional Storage and Disposal statement: ☐ Yes ☒ No; if yes explain below:

e. Update physical/chemical hazards statement on the label to include the following label statement warning due to the incompatibility with oxidizing agents:

“Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur.”

7. Group A: Product Chemistry Data for Reg. No. 86794-A

Guideline No.	Study Title		Data submitted		CITAB's Assessment of Data	MRID Nos.
			Yes	No		
830.1550	Product Identity & Composition		X		A	491332-01
830.1600	Description of materials used to produce the product		X		A	491332-01
830.1650	Description of formulation process		X		A	491332-01
830.1670	Discussion on the formation of impurities		X		A	491332-01
830.1700	Preliminary analysis		NA			
830.1750	Certified limits (158.350)	Standard certified limits	X		A	Revised Basic CSF (11/21/2014)
		Proposed Limits				
		Justification for wider limits				
830.1800	Enforcement analytical method		X		A	491332-01 491332-02

8. Group B: Product Chemistry Data for Reg. No. 86794-A

Guideline No.	Study Title	Value or Qualitative Description	CITAB's Assessment of Data	MRID Nos.
830.6302	Color	Munsell Notation of 7.5YR 3/6 Visual observation: brown	A	491332-02
830.6303	Physical State	Volatile Liquid @ 21.0°C	A	491332-02
830.6304	Odor	Strong halide odor	A	491332-02
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	Product is stable to normal and elevated temperatures. No tests were reported for stability to metals and metal ions.	A	491332-03
830.6314	Oxidation/Reduction	Compatible with Water, Ammonium Dihydrogen Phosphate, Turpentine, and Zinc Nanopowder. Significant temperature increase was	A	491332-02

		observed with potassium permanganate.		
830.6315	Flammability	Flashpoint: 70.5°C (158.9°F)	A	491332-02
830.6316	Explosibility	Registrant requests a waiver from this data requirement because clodinafop-propargyl does not have the chemical bonds or functional groups associated with explosive chemicals.	A	491332-05
830.6317	Storage stability	Test substance was found to be stable for one year at ambient temperature (17.6-24.3°C) in commercial packaging (fluorinated HDPE containers) as well as the 28-day accelerated test (50 ± 2°C). The AI did not show any degradation and the concentration remained within the certified limits.	A	491332-03
830.6319	Miscibility	Not miscible	A	491332-04
830.6320	Corrosion characteristics	No corrosion was observed on the fluorinated HDPE containers for one year under ambient temperatures (17.6-24.3°C). No container corrosion was observed during the 28-Day accelerated storage (50 ± 2°C).	A	491332-03
830.6321	Dielectric breakdown voltage	NA: Product is not labeled for use around electrical equipment.	A	491332-05
830.7000	pH	4.41 ± 0.01 @ 22.2°C (1% aqueous solution)	A	491332-02
830.7100	Viscosity	20°C: 11.08 ± 0.0053 mm <sup>2</sup> /s (cSt) 40°C: 5.38 ± 0.0053 mm <sup>2</sup> /s (cSt)	A	491332-02
830.7300	Density	1.06 ± 0.0012 g/ml @ 20°C	A	491332-02
830.7520	Particle size, fiber length, and diameter distribution	NA: Registrant seeks waiver request because product is not water soluble and product is not a fibrous material.	A	491332-05

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver Request, I = In Progress, NA = Not Applicable; U = Upgradeable.

## CONCLUSIONS:

The CITAB has reviewed the product chemistry data submitted for the proposed end use product and has concluded that:

1. The revised CSF for basic formulation (dated 11/21/2014) is acceptable.

2. The data submitted corresponding to guidelines 830.1600 (description of materials used to produce the product), 830.1650 (description of formulation process), 830.1670 (discussion on the formation of impurity), and 830.1750 (certified limits) are acceptable.

3. The product chemistry data submitted corresponding to guideline 830 series Group B data (physical-chemical properties) are acceptable, including one year storage stability and corrosion characteristics studies. The registrant has the option to generate accelerated storage stability and corrosion characteristics studies (2 weeks at 54°C) and submit the results to the Agency. ) ✓ X

4. The proposed product, MPower Clodinafop Herbicide (86794-A), was found to be substantially similar in chemical composition to the registered product with Reg. 100-907 from the product chemistry point of view. ✓

5. Update physical/chemical hazards statement on the label to include the following label statement warning due to the incompatibility with oxidizing agents: "Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur." X

6. The submitted studies and information provided for the unregistered source of safener are acceptable, except for stability to elevated temperatures (830.6313), the one year storage stability (830.6317), and corrosion characteristics study (830.6320).

7. See Confidential Appendix A and B for more details and the product chemistry review of the unregistered source of added safener.

DP BARCODE No.: D418239; FILE SYMBOL No.: 86794-A; PRODUCT NAME: MPower Clodinafop Herbicide; DECISION No.: 486811; PC Code(s): 125203; ACTION CODE: R334; FOOD Use: Yes

**ATTACHMENT: CONFIDENTIAL APPENDIX A**

**Product Chemistry Data Requirements for  
unregistered source of safener**

Product Name: MPower Clodinafop Herbicide

Submission Number / DP Bar Code: 418239

Registration Number: 86794-A

Source Code / PC Code: 125203

Manufacturing Plant Location for  
Safener

CSF (dated 11/21/2014)

Registrant's Name and Address:

NewAgCo, Inc.  
Orena, St. Lawrence Main Road  
Christ Church Barbados BB 15029

Contact person: Ann Tillman  
Tel: 253-853-7369  
E-mail: ann@PyxisRC.com

Nominal Concentration: Basic CSF (dated 11/21/2014): Clodinafop-Propargyl 22.3%  
On the draft label: Clodinafop-Propargyl 22.3%



**Rate, Debra**

---

**From:** Ann Tillman <Ann@PyxisRC.com>  
**Sent:** Tuesday, November 25, 2014 2:31 PM  
**To:** Rate, Debra  
**Subject:** RE: Questions on Product Chemistry data for EPA Reg. No. 86794-A?

Debra, see my comments in green below.

Wied

Ann

**From:** Rate, Debra [mailto:Rate.Debra@epa.gov]  
**Sent:** November 25, 2014 11:55 AM  
**To:** Ann Tillman  
**Subject:** Questions on Product Chemistry data for EPA Reg. No. 86794-A?

Hi, Ann-

I'm hoping that you can assist me. I'm coming close to finishing the Product Chemistry review for 86794-A. However, there are a few items that I did not see in the submission. If they are in the submission, and I have missed them, please direct me to the appropriate study/page, otherwise, we may need to make a plan for you to get me the missing data/information.

For the End use product: 830.1800 (enforcement analytical method) : The registrant must submit the method validation for the analytical method provided which must include linearity, accuracy and linearity data. The CIPAC method is presented in MRID 49133201. Since it is a CIPAC method, validation has been carried out by independent labs and is not reported in the CIPAC method itself. The method was validated as part of the storage stability study—see MRID 491313203, page 19 of 59 for method performance and validation. If you need something more than what I provided, please let me know.

For the Unregistered Source: 1) 830.6317 (Storage Stability); The technical source is registered (EPA Reg. No. 86794-4) and the data are not due to EPA until November 2015 (see EPA Notice of Registration for 86794-4 dated May 7, 2014).  
2) 830.6320 (Corrosion Characteristics); the data are not due to EPA until November 2015 (see EPA Notice of Registration for 86794-4 dated May 7, 2014).  
3) 830.6313 (Stability to Elevated Temperatures) See data in MRID 49133307.

Please give me a call or send me a note with any questions.

Thank you in advance!

Debra

Debra Rate, PhD  
U.S. Environmental Protection Agency  
Office of Pesticide Programs  
Registration Division  
7505P

Phone: 703-306-0309



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Office of pesticide Programs  
Registration Division (7505P)

MEMORANDUM

DER for acute toxicity studies for #86794-A

Sept 18, 2014

Subject: Product: MPower Clodinafop Herbicide  
EPA File Symbol: 86794-A  
DP Barcode: 418246  
Decision No. 486811  
Action Code: R334  
PC Code: 125203

From: Masih Hashim, Team Leader/ Toxicology  
Technical Review Branch  
Registration Division (7505P)

A handwritten signature in black ink, appearing to read "M. Hashim", is written over the "From:" line.

A handwritten signature in black ink, appearing to read "E. McAndrew", is written to the right of the "From:" line.

To: Bethany Benbow/RM Team 23  
Herbicide Branch  
Registration Division (7505P)

Applicant: NewAgco, Inc  
Christ Church Barbados BB 15029

FORMULATION FROM LABEL :

<u>Active Ingredient(s):</u>	<u>% by wt</u>
Clodinafop-propargyl	22.3
<u>Other Ingredient(s):</u>	77.7
Total:	<u>100.0</u>

**Action Required:** Review and evaluation of toxicity studies for # 86794-A. Studies used were MRID 49296501-06. These studies were conducted at SA-Ford Laboratories, Maharashtra, India.

**Recommendations:** The six studies (listed above) have been reviewed and found acceptable. There is no deviation from the protocol.

The Signal Word for the product is Warning due to eye toxicity. The label from the Registrant is consistent with the tox screen.

The CSFs for the proposed product (1-7-14) should be approved by Product Chemistry/TRB. There are couple of items on CSF as indicated by PM, which should be cleared before the DER is submitted to the Registrant.

## **Label**

**PRODUCT ID #:** 086794-00006

**PRODUCT NAME:** MPower Clodinafop Herbicide

## **PRECAUTIONARY STATEMENTS**

**SIGNAL WORD:** WARNING

**SPANISH SIGNAL WORD:**

**AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

**Hazards to Humans and Domestic Animals:**

Contains Petroleum Distillate.

Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco, or the toilet. Remove and wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing. Wear long-sleeved shirt and long pants, socks, shoes, and gloves.

**First Aid:**

**If in eyes:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

**If on skin:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.



If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

If Inhaled:

Move the person to fresh air.

If the person is not breathing, call 911 or an ambulance, then give artificial respiration from mouth to mouth, if possible

Call a Poison Control Center or doctor for further treatment.

**NOTE TO PHYSICIAN:** May pose an aspiration pneumonia hazard. Contains petroleum distillate. Note to PM/CRM/Registrant: The proposed label should contain a "Note to Physician".

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**USER Safety Recommendations:** User should Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash outside of the gloves before removing. wash thoroughly and change clothing as soon as possible.

**DER for #86794-A MPower Clodinafop Herbicide**

<b>1. DP BARCODE: 418246</b>				
<b>2. PC CODE: 125203</b>				
<b>3. CURRENT DATE: 9-18-14</b>				
<b>4. TEST MATERIAL: Clodinafop-propargyl 22.3%</b>				
Study/Species/Lab Study # /Date	MRID	Results	Tox Cat	Core Grade
OPPTS 870.1100, Up and Down method OECD 425 Acute oral toxicity / rat** /SA-Ford Labs*/13_32_001/ 11-30-2013.	49296501	LD <sub>50</sub> Females is 3125 mg/kg body wt. mg/kg -Up and Down procedure. Wistar rats** The first animal lived. No signs of abnormality. The second animal. Animal No. 2 dosed at 2000 mg/kg showed tremors, sternal recumbancy, abdominal breathing at 4 hrs post dosing. This animal became moribund, which was sacrificed on day 1. Slight body wt reduction in this animal. Gross necropsy showed blood clots in intestine. Three more animals that were dosed (2000 mg/kg) showed no abnormalities, no clinical signs and no body wt. changes. There were no lesions at terminal necropsy for 4/5 animals.	III	A
OPPTS 870.1200-OECD 402 Acute dermal toxicity / rat / rat /SA-Ford Labs*/13_32_002/11-30-2013.	49296502	LD <sub>50</sub> Males /females> 2000 mg/kg-limit dose No mortality occurred during the study. All animals were healthy by termination. Terminal necropsy revealed no gross lesions.	III	A
OPPTS 870.1300-OECD 403 Acute inhalation toxicity / rat /SA-Ford Labs*/13_32_003/ 11-14-2013.	49296503	LC <sub>50</sub> Males/females > 4.953mg/L MMAD 3.8 µ, GSD 2.51 There was no deaths on the study. Body wts were normal. All rats were healthy till termination. Terminal necropsy revealed no gross lesions.	IV	A
OPPTS 870.2400-OECD 405 Primary eye irritation / rabbit //SA-Ford Labs*/13_32_005/ 11-30-2013.	49296504	Severe irritant There was conjunctival irritation, iritis and corneal opacity in rats which subsided by 7 <sup>th</sup> day. However, corneal opacity was still present on 7 <sup>th</sup> day in 1.3 animals. Therefore, the study is Cat II for eye irritation	II	A
OPPTS 870.2500-OECD 404 Primary dermal irritation / rabbit /SA-Ford Labs*/13_32_004/ 11-30-2013.	49296505	The product is a non-irritant .	IV	A
OPPTS 870-2600/ OECD406 Dermal Sensitization- g.pigs Maximization/ /SA-Ford Labs*/13_32_006/ 12-18-13	49373806	The product is not a sensitizer	neg	A

A = acceptable, U = unacceptable, C = cited

\*Maharashtra India \*\* Wistar rats were used in all studies

Page 4

# DATA PACKAGE BEAN SHEET

Date: 26-Feb-2014

Page 1 of 2

Decision #: 486811

DP #: (418239)

PRIA

Parent DP #:

Submission #: 946135

E-Sub #:

## \*\*\* Registration Information \*\*\*

Registration: **86794-A - MPOWER CLODINAFOP HERBICIDE**

Company: 86794 - NEWAGCO, INC.

Risk Manager: RM 23 - Kathryn Montague - (703) 305-1243 Room# PY1 S-7332

Risk Manager Reviewer: Bethany Benbow BBENBOW

Sent Date: \_\_\_\_\_

PRIA Due Date: 05-Jan-2015

Edited Due Date: \_\_\_\_\_

Type of Registration: Product Registration - Section 3

Action Desc: (R334) NEW PRODUCT; MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF

Ingredients: 125203, Clodinafop-propargyl (CAS Reg. No. 105512-06-9) (22.3%)

## \*\*\* Data Package Information \*\*\*

Expedite: ☐ Yes ☒ No

Date Sent: 26-Feb-2014

Due Back: \_\_\_\_\_

DP Ingredient: 125203, Clodinafop-propargyl (CAS Reg. No. 105512-06-9)

DP Title: New product with unreg. source of AI and Safener

CSF Included: ☒ Yes ☐ No

Label Included: ☒ Yes ☐ No

Parent DP #: \_\_\_\_\_

Assigned To

Date In

Date Out

Organization: RD / TRB

Last Possible Science Due Date: 05-Jan-2015

Team Name: CHEM

Science Due Date: \_\_\_\_\_

Reviewer Name: \_\_\_\_\_

Sub Data Package Due Date: \_\_\_\_\_

Contractor Name: \_\_\_\_\_

## \*\*\* Studies Sent for Review \*\*\*

Printed on Page 2

## \*\*\* Additional Data Package for this Decision \*\*\*

Can be printed on its own page

## \*\*\* Data Package Instructions \*\*\*

TRB Chem:

Please review the submitted product chem. data for the pending product. This product is using an unregistered source of AI and an unregistered source of Safener. Data have been provided for both (data for AI is found in Documentum and data for the safener is included in the package).

Please determine if this data supports registration. Also determine if the submitted CFS is acceptable.

Thank you,  
Beth

DP#: (418239)

\*\*\* Studies Sent for Review \*\*\*

Decision#: (486811)

MRID	MRID Status	Citation Reference	Guideline	86.5 Status
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1550/Product Identity and composition	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1600/Description of materials used to produce the product	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1620/Description of production process	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1670/Discussion of formation of impurities	Pass (25-Feb-2014)
49316701		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for (inert ingredient) Safener. Project Number: NAC/201205. Unpublished study prepared by NewAgCo, Inc. 47p.	830.1750/Certified limits	Pass (25-Feb-2014)
49316702		Carter, T. (2010) Preliminary Analysis Testing for (inert ingredient) Technical. Project Number: NEW212/090153/5120. Unpublished study prepared by Can Test, Ltd. 45p.	830.1700/Preliminary analysis	Pass (25-Feb-2014)
49316702		Carter, T. (2010) Preliminary Analysis Testing for (inert ingredient) Technical. Project Number: NEW212/090153/5120. Unpublished study prepared by Can Test, Ltd. 45p.	830.1800/Enforcement analytical method	Pass (25-Feb-2014)
49316703		Tillman, A. (2012) (Inert ingredient) Safener: Physical and Chemical Properties. Project Number: NAC/201206. Unpublished study prepared by Can Test, Ltd. 113p.		Pass (25-Feb-2014)

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1550/Product Identity and composition	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1600/Description of materials used to produce the product	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1650/Description of formulation process	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1670/Discussion of formation of impurities	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1750/Certified limits	Pass (03-Jun-2013)
49133201		Tillman, A. (2012) Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. Project Number: NEW212/080087/0406. Unpublished study prepared by NewAgCo, Inc. 99p.	830.1800/Enforcement analytical method	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6302/Color	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6303/Physical state	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6304/Odor	Pass (03-Jun-2013)

MRID	MRID Status	Citation/Reference	Guideline	86.5 Status
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6314/Oxidizing or reducing action	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.6315/Flammability	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.7000/pH	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.7100/Viscosity	Pass (03-Jun-2013)
49133202		Carter, T. (2009) Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602). Project Number: NEW212/080087/0406. Unpublished study prepared by Can Test, Ltd. and Chilworth Technology. 62p.	830.7300/Density/relative density	Pass (03-Jun-2013)
49133203		Carter, T. (2011) Combined Storage Stability/Corrosion Characteristics Testing of Clodinafop-Propargyl End Use Product Blend. Project Number: NEW212/080087/0406. Unpublished study prepared by Maxxam Analytics. 59p.	830.6313/Stability to normal and elevated temperatures, metals, and metal ions	Pass (03-Jun-2013)
49133203		Carter, T. (2011) Combined Storage Stability/Corrosion Characteristics Testing of Clodinafop-Propargyl End Use Product Blend. Project Number: NEW212/080087/0406. Unpublished study prepared by Maxxam Analytics. 59p.	830.6317/Storage stability	Pass (03-Jun-2013)
49133203		Carter, T. (2011) Combined Storage Stability/Corrosion Characteristics Testing of Clodinafop-Propargyl End Use Product Blend. Project Number: NEW212/080087/0406. Unpublished study prepared by Maxxam Analytics. 59p.	830.6320/Corrosion characteristics	Pass (03-Jun-2013)
49133204		Carter, T. (2013) Miscibility Testing of Clodinafop-Propargyl 240 g/L EC. Project Number: NEW212/120113. Unpublished study prepared by Maxxam Analytics. 24p.	830.6319/Miscibility	Pass (03-Jun-2013)
49133205		Tillman, A. (2012) MPower Clodinafop Herbicide: Physical and Chemical Properties Waiver Requests. Project Number: NAC/201204. Unpublished study prepared by NewAgCo, Inc. 6p.	830.6316/Explosibility	Pass (03-Jun-2013)
49133205		Tillman, A. (2012) MPower Clodinafop Herbicide: Physical and Chemical Properties Waiver Requests. Project Number: NAC/201204. Unpublished study prepared by NewAgCo, Inc. 6p.	830.6321/Dielectric breakdown voltage	Pass (03-Jun-2013)
49133205		Tillman, A. (2012) MPower Clodinafop Herbicide: Physical and Chemical Properties Waiver Requests. Project Number: NAC/201204. Unpublished study prepared by NewAgCo, Inc. 6p.	830.7520/Particle size, fiber length, and diameter distribution	Pass (03-Jun-2013)
49316700		Pyxis Regulatory Consulting, Inc. (2014) Submission of Product Chemistry Data in Support of the Registration of (inert ingredient) Safener. Transmittal of 3 Studies.		Pass (25-Feb-2014)

Pbl. 0.02 ppm

September 19, 2014

**Product Transfer Memo**

File Symbol: 86794-A

PRIA Category: R334

Pre-Decisional Date: Dec. 22, 2015

PRIA Due Date: Jan. 5, 2015

From which branch/reviewer: HB / Beth Benbow

Complete label review:  
- Compare to 100-907  
8 latest approved label  
- Talk to Beth.

**Status and Notes:**

- What did the PRIA action request to do?  
New product containing unregistered source of AI + safener
- Product chemistry, acute toxicity status, efficacy (if required) status?  
Acute tox complete, PC is pending
- When was it beamed to HED/EFED? Any status information from HED/EFED (team meetings)?
- Any noted label issues that you know about?

This proposed product contains the safener

[REDACTED] Please note that safeners are protected as CBI and are not listed in the ingredient statement -- however, they are assessed by HED + EFED just like active ingred. + also require tolerances be established for food uses.

Assure that the label application rates + timings are covered by the established wheat tolerances for both the AI (clodinafop) + the safener.

# DATA PACKAGE BEAN SHEET

Date: 15-May-2014

Page 1 of 2

Decision #: 486811

DP #: (418246)

PRIA

Parent DP #:

Submission #: 946135

E-Sub #:

## \*\*\* Registration Information \*\*\*

Registration: 86794-A - MPOWER CLODINAFOP HERBICIDE

Company: 86794 - NEWAGCO, INC.

Risk Manager: RM 23 - Kathryn Montague - (703) 305-1243 Room# PY1 S-7332

Risk Manager Reviewer: Bethany Benbow BBENBOW

Sent Date: \_\_\_\_\_

PRIA Due Date: 05-Jan-2015

Edited Due Date: \_\_\_\_\_

Type of Registration: Product Registration - Section 3

Action Desc: (R334) NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF

Ingredients: 125203, Clodinafop-propargyl (CAS Reg. No.105512-06-9)(22.3%)

## \*\*\* Data Package Information \*\*\*

Expedite: ☐ Yes ☒ No

Date Sent: 26-Feb-2014

Due Back: \_\_\_\_\_

DP Ingredient: 125203, Clodinafop-propargyl (CAS Reg. No.105512-06-9)

DP Title: New Product with unreg. source of AI and Safener

CSF Included: ☐ Yes ☒ No

Label Included: ☐ Yes ☒ No

Parent DP #: \_\_\_\_\_

Assigned To

Date In

Date Out

Organization: RD / TRB

06-Mar-2014

Last Possible Science Due Date: 06-Nov-2014

Team Name: TOX

Science Due Date: 22-Nov-2014

Reviewer Name: Vinjamuri, Santa

Sub Data Package Due Date: \_\_\_\_\_

Contractor Name: \_\_\_\_\_

## \*\*\* Studies Sent for Review \*\*\*

Printed on Page 2

## \*\*\* Additional Data Package for this Decision \*\*\*

Can be printed on its own page

## \*\*\* Data Package Instructions \*\*\*

Please review the submitted acute toxicity data for the pending product. This product is using an unregistered source of AI and an unregistered source of Safener.

Please determine if this data is acceptable to support registration and provide an acute tox. profile for the pending product label.

Thank you,  
Beth

*Screening passed*  
*All Tot*  
*data are*  
*present*  
*for review*  
*90*  
*201*



# DATA PACKAGE BEAN SHEET

Date: 23-Sep-2014

Page 1 of 2

Decision #: 486811

DP #: (418246)

PRIA

Parent DP #:

Submission #: 946135

E-Sub #:

## \*\*\* Registration Information \*\*\*

Registration: 86794-A - MPOWER CLODINAFOP HERBICIDE

Company: 86794 - NEWAGCO, INC.

Risk Manager: RM 23 - Kathryn Montague - (703) 305-1243 Room# PY1 S-7332

Risk Manager Reviewer: Bethany Benbow BBENBOW

Sent Date:

PRIA Due Date: 05-Jan-2015

Edited Due Date:

Type of Registration: Product Registration - Section 3

Action Desc: (R334) NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF

Ingredients: 125203, Clodinafop-propargyl (CAS Reg. No.105512-06-9)(22.3%)

## \*\*\* Data Package Information \*\*\*

Expedite: ☐ Yes ☒ No

Date Sent: 26-Feb-2014

Due Back:

DP Ingredient: 125203, Clodinafop-propargyl (CAS Reg. No.105512-06-9)

DP Title: New Product with unreg. source of AI and Safener

CSF Included: ☐ Yes ☒ No

Label Included: ☐ Yes ☒ No

Parent DP #:

Assigned To

Date In

Date Out

Organization: RD / TRB

06-Mar-2014

Last Possible Science Due Date: 06-Nov-2014

Team Name: TOX

Science Due Date: 22-Nov-2014

Reviewer Name: Hashim, Masih

08-Aug-2014

18-Sep-2014

Sub Data Package Due Date:

Contractor Name:

## \*\*\* Studies Sent for Review \*\*\*

Printed on Page 2

## \*\*\* Additional Data Package for this Decision \*\*\*

Can be printed on its own page

## \*\*\* Data Package Instructions \*\*\*

Please review the submitted acute toxicity data for the pending product. This product is using an unregistered source of AI and an unregistered source of Safener.

Please determine if this data is acceptable to support registration and provide an acute tox. profile for the pending product label.

Thank you,  
Beth

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49296501	Acceptable	Sawant, S. (2013) Acute Oral Toxicity (Up and Down Procedure) of "Clodinafop Propargyl 22.3 Percent w/w EC" in Rats. Project Number: 13/32/001. Unpublished study prepared by SA-FORD (Sanctuary for Research and Development). 21p.	870.1100/Acute Oral Toxicity	Pass (07-Apr-2014)
49296502	Acceptable	Sawant, S. (2013) Acute Dermal Toxicity Study of "Clodinafop Propargyl 22.3 Percent w/w EC" in Rats. Project Number: 13/32/002. Unpublished study prepared by SA-FORD (Sanctuary for Research and Development). 21p.	870.1200/Acute dermal toxicity	Pass (07-Apr-2014)
49296503	Acceptable	Shegar, S. (2013) Acute Inhalation Toxicity Study of "Clodinafop Propargyl 22.3 Percent w/w EC" in Rats. Project Number: 13/32/003. Unpublished study prepared by SA-FORD (Sanctuary for Research and Development). 30p.	870.1300/Acute inhalation toxicity	Pass (07-Apr-2014)
49296504	Acceptable	Sawant, S. (2013) Acute Eye Irritation/Corrosion Study of "Clodinafop Propargyl 22.3 Percent w/w EC" in Rabbits. Project Number: 13/32/005. Unpublished study prepared by SA-FORD (Sanctuary for Research and Development). 23p.	870.2400/Acute eye irritation	Pass (07-Apr-2014)
49296505	Acceptable	Sawant, S. (2013) Acute Dermal Irritation/Corrosion Study of "Clodinafop Propargyl 22.3 Percent w/w EC" in Rabbits. Project Number: 13/32/004. Unpublished study prepared by SA-FORD (Sanctuary for Research and Development). 20p.	870.2500/Acute dermal irritation	Pass (07-Apr-2014)
49296506	Acceptable	Sawant, S. (2013) Skin Sensitization Maximization Study of "Clodinafop Propargyl 22.3 Percent w/w EC" in Guinea Pigs. Project Number: 13/32/006. Unpublished study prepared by SA-FORD (Sanctuary for Research and Development). 32p.	870.2600/Skin sensitization	Pass (07-Apr-2014)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460  
OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION  
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

**DP BARCODE No.:** D418239; **FILE SYMBOL No.:** 86794-A (screen); **PRODUCT NAME:** MPower Clodinafop Herbicide; **DECISION No.:** 486811; **PC Code(s):** 125203; **ACTION CODE:** R334; **FOOD Use:** Yes

**DATE OUT:** April 28, 2014

**SUBJECT:** Completeness check screening for end use product "MPower Clodinafop Herbicide"

**FROM:** Shyam Mathur,  
Product Chemistry Team Leader  
Technical Review Branch/RD (7505P)

**TO:** Bethany Benbow / Kathryn Montague, RM 23  
Herbicide Branch / RD (7505P)

**Company Name:** NewAgco Incorporation

**Formulation Type:** Herbicide

**Active Ingredient(s):** Clodinafop-Propargyl (22.3%)-Containing the safener [REDACTED] (new source)

**MRID No(s):** For safener [REDACTED] 493167-01 to 493167-03 in data package  
For the proposed end use product: 491332-01 to 491332-05 in Documentum

**CONCLUSION:**

**Group A:** All data submitted for new source of the safener and also for the proposed end use product.

**Group B:** All data submitted new source of the safener and also for the proposed end use product.

**CSF:** Basic CSF (dated 01-07-2014) submitted.

**PYXIS REGULATORY CONSULTING, INC.**

**49296500**

4110 136<sup>th</sup> St. NW  
Gig Harbor, WA 98332

Phone: 253-853-7369  
Fax: 253-853-5516  
www.PyxisRC.com

January 7, 2014

**OVERNIGHT DELIVERY**

Katherine Montague (PM 23)  
Document Processing Desk (**REGFEE**)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

RE: NewAgco, Inc.  
MPower® Clodinafop Herbicide (EPA File Symbol 86794- )  
Application for New Pesticide Registration  
PRIA Category R334

Dear Ms. Montague,

On behalf of NewAgco, Inc., we are resubmitting an application for registration of MPower® Clodinafop Herbicide, an end use product containing the active ingredient Clodinafop-propargyl.<sup>1</sup> The source of the active ingredient is MPower® Clodinafop-Propargyl Technical (EPA registration pending; EPA File Symbol 86794-U). One of the inert ingredients in MPower Clodinafop Herbicide is a safener, [REDACTED], which is approved for use in pesticide formulations applied to growing crops and a tolerance has been established for use on wheat. However, the source of this safener is new and therefore data in support of this new source of [REDACTED] was submitted on May 21, 2013.

PMRA has reviewed the same data as being submitted with this application and has determined that MPower® Clodinafop Herbicide is substantially similar to a formulated product registered in Canada. Based on these data, PMRA has registered this product under the Pest Control Products Act under the tradename MPower Aurora Clodinafop Herbicide (Registration Number 29711).

Previously submitted reports are referenced in the table below by MRID. In support of this application, we submit the following documents:

1. Application for a New Pesticide Registration (EPA Form 8570-1)
2. Confidential Statement of Formula (EPA Form 8570-4) dated Jan. 7, 2014
3. Three (3) Copies of the Proposed Labeling
4. A CD containing an electronic version of the proposed labeling
5. Certification with Respect to Label Integrity
6. Certification with Respect to Citation of Data (EPA Form 8570-34)
7. Agency Internal Use Copy of the Data Matrix
8. Public File Copy of the Data Matrix
9. Signed Small Business Certification for PRIA fee reduction
10. Copy of PRIA payment
11. Letter of Authorization
12. Product Specific Data (3 copies of each report)

<sup>1</sup> On May 21, 2013, an application for registration of MPower® Clodinafop Herbicide was submitted. This application was withdrawn on July 12, 2013.

	49133201	830.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.1800	Tillman, A. M. Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Enforcement Analytical Method for MPower Clodinafop Herbicide. <i>Contains Confidential Business Information.</i>
	49133202	830.6302, 830.6303, 830.6304, 830.6314, 830.6315, 830.7000, 830.7100, 830.7300	Carter, T. Product Chemistry Testing of Clodinafop-Propargyl End Use Product Blend (NAC 602).
	49133203	830.6313, 830.6317, 830.6320	Carter, T. Combined Storage Stability/Corrosion Characteristics Testing of Clodinafop-Propargyl End Use Product Blend.
	49133204	830.6319	Carter, T. Miscibility Testing of Clodinafop-Propargyl 240 g/L EC.
	49133205	830.6316, 830.6321, 830.7520	Tillman, A. M. MPower Clodinafop Herbicide: Physical and Chemical Properties Waiver Requests
<b>49296501</b>	Volume 1	OECD 425	Sawant, S. Acute Oral Toxicity (Up and Down Procedure) of "Clodinafop Propargyl 22.3% w/w EC" in Rats.
<b>49296502</b>	Volume 2	OECD 402	Sawant, S. Acute Dermal Toxicity Study of "Clodinafop Propargyl 22.3% w/w EC" in Rats.
<b>49296503</b>	Volume 3	OECD 403	Shegar, S. Acute Inhalation Toxicity Study of "Clodinafop Propargyl 22.3% w/w EC" in Rats.
<b>49296504</b>	Volume 4	OECD 405	Sawant, S. Acute Eye Irritation/Corrosion Study of "Clodinafop Propargyl 22.3% w/w EC" in Rabbits.
<b>49296505</b>	Volume 5	OECD 404	Sawant, S. Acute Dermal Irritation/Corrosion Study of "Clodinafop Propargyl 22.3% w/w EC" in Rabbits.
<b>49296506</b>	Volume 6	OECD 406	Sawant, S. Skin Sensitization Maximization Study of "Clodinafop Propargyl 22.3% w/w EC" in Guinea Pigs.

NewAgco Inc. is using the selective method of data citation. As per EPA's interpretations of 40 CFR Part 152.93(b)(2)(i), NewAgco Inc. submitted notices of intent to apply and offers to pay to all companies on the Data Submitter's List for Clodinafop-propargyl.

This action falls under PRIA category R334 (53: New end use product; unregistered source of active ingredient; selective data citation). The fee for this action is \$18,893 but NewAgco Inc. qualifies for a 50% PRIA fee reduction to \$9,447. Documentation to support eligibility as a small business was submitted previously (February 2013) and a signed Small Business Certification for this submission is enclosed. Although this action normally would fall under PRIA category R310 (46; new end use product with registered source of active ingredient), the PRIA fee for registration of the technical source of TGAI has been already been paid. Therefore, NewAgCo Inc. requests that EPA authorize a discretionary refund of any of the unused PRIA fee for this action.

Please contact me (253-853-7369, [Ann@PyxisRC.com](mailto:Ann@PyxisRC.com)) if you have any questions or need any additional information.

Sincerely,



Ann M. Tillman

Enclosures



June 16, 2011

To Whom It May Concern:

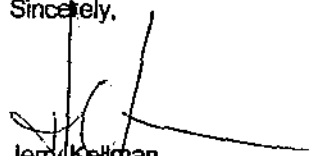
RE: Letter of Authorization

Dear Sir or Madam:

Please let this letter serve to confirm that Pyxis Regulatory Consulting, Inc. is authorized to act as agent for NewAgco Inc. (EPA Company Number 86794), before the U.S. Environmental Protection Agency and state governmental agencies in all matters regarding our pesticide registrations pursuant to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. § 136 et seq. and state law.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Jerry Kellman  
Treasurer  
NewAgco Inc.

cc: Pyxis Regulatory Consulting, Inc.



United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number NewAgCo Inc./86794-	2. EPA Product Manager K. Montague	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NewAgCo Inc./MPOWER Clodinafop Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) NewAgCo Inc. c/o Pyxis Regulatory Consulting Inc. 4110 136th St. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input checked="" type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application falls under PRIA Category R334 (53: New end use product; end use product with unregistered source of active ingredient; selective data citation). The fee for this secondary application is \$18,893 but NewAgCo Inc. qualified for a 50% reduction in PRIA fees to \$9,447.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
* Certification must be submitted				<input type="checkbox"/> Plastic	
If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 0.5, 1, 1.25, 5, 15, 50, 275 gal		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Ann M. Tillman		Title Agent		Telephone No. (Include Area Code) (253) 853-7369	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					8. Date Application Received (Stamped) ..... ..... ..... ..... .....
2. Signature <i>Ann M Tillman</i>		3. Title Agent			
4. Typed Name Ann M. Tillman		5. Date 1/7/14			

**MPOWER® CLODINAFOP HERBICIDE**

A postemergence herbicide for control of grass weeds in spring wheat and Durum wheat

**ACTIVE INGREDIENT:**

Clodinafop-Propargyl*	22.3%
OTHER INGREDIENTS	77.7%
TOTAL	100.0%

This product contains petroleum distillates.

MPOWER® Clodinafop Herbicide contains 2 lbs. of clodinafop-propargyl active ingredient per gallon.

\*CAS No. 105512-06-9

**KEEP OUT OF REACH OF CHILDREN  
WARNING/AVISO**

Si usted no entiendela etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 -20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 -20 minutes.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.	

EPA Reg. No. 86794-

EPA Est. No.

NET CONTENTS: xx gallons

Manufactured for:  
NewAgco Inc.  
Orena, St. Lawrence Main Road  
Christ Church, Barbados BB15029



**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes or clothing. Wear protective eyewear such as safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or Viton
- Chemical-resistant footwear plus socks
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use this product only in accordance with label directions and restrictions contained in this label or in EPA approved supplemental labeling for MPower Clodinafop Herbicide.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves. Such as barrier laminate or Viton
- Chemical-resistant footwear plus socks

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY AND/OR POOR WEED CONTROL.**

### PRODUCT INFORMATION

Apply this product for control of listed weed and grass species in all varieties of wheat, including Durum. For consistent control, target species must be thoroughly covered with an application of MPower Clodinafop Herbicide.

#### Mode of Action

When MPower Clodinafop Herbicide is applied as a postemergence treatment, it is absorbed rapidly by the foliage of target species and then translocated to growing points.

The level of control will depend upon the following:

- Coverage with an application of MPower Clodinafop Herbicide.
- Growing/environmental conditions.
- Type of weed species.
- Crop competition.

Once it has translocated, MPower Clodinafop Herbicide inhibits the acetyl CoA carboxylase (ACCase) enzyme which will do the following:

- Stop growth in target species generally within 2 days.
- Target species will yellow within 1-3 weeks.
- Target species will be completely controlled within 5 weeks.

#### Rainfastness

Applications of MPower Clodinafop Herbicide will be rainfast 30 minutes after treatment.

### ROTATIONAL CROP RESTRICTIONS

Following an application of this product, all crops (other than wheat, including Durum) must not be planted for a minimum of 30 days. All varieties of wheat, including Durum, may be planted immediately following an application of this product.

### WEEDS CONTROLLED

Treatment with MPower® Clodinafop Herbicide will provide control of the following:

- |                 |                  |                             |
|-----------------|------------------|-----------------------------|
| • volunteer oat | • yellow foxtail | • Persian dandelion         |
| • wild oat      | • canarygrass    | • Italian (annual) ryegrass |
| • giant foxtail | • barnyardgrass  |                             |
| • green foxtail | • volunteer corn |                             |

This product will not provide control of broadleaf species. However, MPower Clodinafop Herbicide can be tank mixed with a broadleaf herbicide so that broad spectrum target species can be achieved in a one-pass application. Refer to the *Tank Mixtures for Control of Broadleaf Species* section below.

Products which are not specified for tank mixture with this product may be applied as a sequential treatment with MPower Clodinafop Herbicide. Sequential applications must take place a minimum of 4 days after treatment with MPower Clodinafop Herbicide.

### RESISTANCE MANAGEMENT

This product is classified as a Group 1 Herbicide (i.e., inhibits acetyl CoA carboxylase enzyme). Other products in the same classification as this product include:

Achieve®	Fusion®	Puma®
Assure® II	Hoelon®	Select®
Axial®	Poast®	
Fusilade®	Prism®	

Populations of some weed species (e.g., green foxtail, wild oat and Italian (annual) ryegrass) have been shown to display some resistance to Group 1 herbicides.

Repeated use of product(s) with the same mode of action in a target area may lead to selection of resistant biotypes. This may lead to a reduction in or failure of control when treating with MPower Clodinafop Herbicide.

Reduced control may be due to a resistant biotype if reduced control of treatment with MPower Clodinafop Herbicide cannot be attributed to environmental conditions or incorrect application.

If resistance is suspected, contact your local NewAgCo representative for assistance.

Use resistance management measures in order to reduce the likelihood of developing resistant biotypes:

1. Ensure that MPower Clodinafop Herbicide is applied in accordance with label directions with accurately calibrated application equipment.
2. Do not allow weed escapes to produce seed among crops or in fallow periods.
3. Make post emergence treatments to weeds that are small and growing actively.
4. Ensure that volume of application solution and rate are accurate and in accordance with label directions. Use the full specified rate.
5. Do not tank mix MPower Clodinafop Herbicide with products that will result in reduced control of target species.
6. Use a variety of cultural practices that will improve crop competitiveness, such as fertilizer programs, row widths and seeding rates.
7. Rotate use of this product with products with a different mode of action. Do not apply products with the same mode of action/classification in rotational crops/cereal crops in successive seasons.
8. Employ agronomic practices that will extend the range of usable, effective herbicides (e.g., fallow rotation, crop rotation).

### APPLICATION DIRECTIONS

#### Application Timing

Treat all varieties of wheat, including Durum, with MPower® Clodinafop Herbicide from the 2-leaf stage growth stage up until the pre-boot growth stage.

Do not treat winter wheat with MPower® Clodinafop Herbicide during the fall. See crop specific directions below for further directions and restrictions.

Restriction: In order to avoid crop injury, do not treat crops with MPower® Clodinafop Herbicide that are suffering stress due to conditions such as:

- Flooding
- Drought
- Damage from disease
- Damage from insects
- Frost
- Low fertility

Crop injury is more likely where this product is applied to wheat that has been exposed to temperatures lower than 40°F in the 48 hours after or before treatment with MPower® Clodinafop Herbicide.

In order to achieve the most effective application, apply MPower® Clodinafop Herbicide to target species that are growing actively. In addition, applying MPower® Clodinafop Herbicide early will reduce competition from weeds, thereby maximizing crop yield.

**IMPORTANT:** target species that emerge following treatment with MPower® Clodinafop Herbicide will not be controlled.

Reduced control may result where applications are made to **target species** that are suffering stress due to conditions such as:

- Flooding
- Drought
- Frost
- Heat
- Frost
- Low fertility
- Prolonged cool periods

Where this product is applied during periods of stress, there is an increased risk of re-tillering or grass escapes. Delay treatment until weeds are actively growing and the cause of stress has ended.

Target Species	Timing of Treatment	
	Tillers Growth Stage	Leaves Growth Stage (Main Stem)
Giant Foxtail Green Foxtail Yellow Foxtail	Apply MPower® Clodinafop Herbicide when target species are growing actively and before the third tiller emerges.	1-5 leaf growth stage
Barnyardgrass Italian (Annual) Ryegrass Persian Darnel Volunteer Corn	For optimum control, apply before tillering and while weeds are actively growing.	1-5 leaf growth stage
Canarygrass Volunteer Oat Wild Oat	Prior to emergence of the 4 <sup>th</sup> tiller	1-5 leaf growth stage

### USE RATES

Refer to the Weeds Controlled and Use Rates for Tank Mixtures Containing Mpower® Clodinafop Herbicide section for combinations with broadleaf weed herbicides.

MPower Adjuvant must always be used with MPower® Clodinafop Herbicide. A case of MPower® Clodinafop Herbicide case contains 1.25 gallons of MPower® Clodinafop Herbicide and 2 gallons of MPower Adjuvant. All MPower Adjuvant supplied in a case of MPower® Clodinafop Herbicide should be used when this product is applied at directed rates.

Weeds	Directions
Wild Oat Volunteer (Tame) Oat Green Foxtail Yellow Foxtail Barnyardgrass Canarygrass Volunteer Corn	3.2 oz./A of MPower® Clodinafop Herbicide plus 10.2 oz./A of MPower Adjuvant  A case of MPower® Clodinafop Herbicide will treat 50 Acres.

Giant Foxtail Persian Darnel Italian (Annual) Ryegrass	4 oz./A of MPower® Clodinafop Herbicide plus 12.8 oz./A of MPower Adjuvant  A case of MPower® Clodinafop Herbicide will treat 40 Acres.
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### GROUND APPLICATION EQUIPMENT

Calibrate application equipment accurately prior to each application.

Using ground application equipment, apply the directed rate of MPower® Clodinafop Herbicide and MPower Adjuvant. Use 5-10 gals. of water per acre. Apply 10 gals. of water per acre minimum where weed species are dense or where there are dry conditions or when treating Italian (annual) ryegrass or Persian darnel.

When using spray application equipment, refer to manufacturer's directions with regard to pressure and the use of screens. Use 80° or 110° flat fan spray nozzles. Do not apply with hollow cone or flood type nozzles. In order to achieve uniform coverage, position nozzles equally spaced along the boom. For best coverage of grass target species, direct spray nozzles to the front (i.e. toward the direction of travel) at a 45° angle. For broadcast over-the-top application, calculate boom height based on the free-standing height of the crop: boom height must be a minimum of 12 inches above the crop.

Use a centrifugal pump with an agitation rate of 20 gals./minute/100 gals tank size. The pump in the spray application equipment used must be able to maintain 35-40 psi of pressure. A lower pressure may be used with low pressure or extended range nozzles. The pump must also be capable of maintaining suspension of the product through agitation of the spray tank as agitation must continue throughout mixture and spray application.

For ground applications, use a strainer or screen equipped on the suction side of the pump with 16-mesh or coarser. Unless a roller or piston pump is being used, do not put a screen in the recirculation lines. 50-mesh or coarser screens must be placed at the nozzles and between the boom and pump.

MPower® Clodinafop Herbicide must always be applied with the supplied MPower Adjuvant. Do not use any other adjuvant. Refer Use Rates section above.

For optimal control of target species, thorough coverage is essential. Spray nozzles must be observed during application to ensure a uniform spray pattern. Ensure that spray overlay is avoided or excessive rates may result in areas of overlap.

Do not apply this product in conditions where spray drift will be excessive and/or where uniform coverage is not possible e.g. in windy conditions.

Ensure there is a buffer area between desirable vegetation and the target area to minimize the potential for spray drift.

### AERIAL APPLICATIONS

Calibrate application equipment accurately prior to each application.

Use low drift nozzles at a pressure of 40 psi maximum to apply this product at a maximum height of 10 ft. above the crop.

Combine the application solution of MPower® Clodinafop Herbicide with water for a spray volume of 3 gals./A minimum. Apply 5 gals. of water per acre minimum where weed species are dense or where there are dry conditions or when treating Italian (annual) ryegrass or Persian darnel.

MPower® Clodinafop Herbicide must always be applied with the supplied MPower Adjuvant. Do not use any other adjuvant. Refer Use Rates section above.

In order to avoid crop injury, MPower Adjuvant must not be applied at a concentration of more than 2% of the spray solution.

Do not apply this product in conditions where spray drift will be excessive and/or where uniform coverage is not possible. Wind speed at the time of application must not exceed 10 mph.

### **RECOMMENDATIONS TO AVOID SPRAY DRIFT AERIAL DRIFT MANAGEMENT**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed  $\frac{3}{4}$  the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information**.

### **AERIAL DRIFT REDUCTION ADVISORY INFORMATION INFORMATION ON DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind, Temperature and Humidity**, and **Temperature Inversions**).

#### **CONTROLLING DROPLET SIZE**

- **Volume-** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure-** Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles-** Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation-** Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type-** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

#### **BOOM LENGTH**

For some use patterns, reducing the effective boom length to less than  $\frac{3}{4}$  of the wingspan or rotor length may further reduce drift without reducing swath width.

#### **APPLICATION HEIGHT**

Applications should not be made at a height greater than 10 ft. above the top of the largest plants, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

### SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

### WIND

Drift potential is lowest between wind speeds of 2-10 mph. however, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Avoid all direct or indirect contact (such as spray drift) of MPower® Clodinafop Herbicide with crops other than those recommended for treatment on this label, since injury may occur.

**Chemigation:** Do not apply this product through any type of irrigation system.

### CLEANING DIRECTIONS

Application equipment must be cleaned thoroughly immediately following application, to ensure all traces of application solution are removed. Cleaning must not take place near water sources (e.g. wells) or any desirable vegetation. Follow this cleaning procedure:

1. Drain the tank, boom, and all hoses and flush with clean water for 10 minutes.
2. Remove screens and nozzles and wash separately.
3. Ensure all rinsate is disposed of in accordance with state and local regulations.

Where this product has been tank mixed with other pesticide products, read and follow the label directions of all tank mix partners where there are additional cleanup procedures/requirements.

### MIXING DIRECTIONS

1. Clean spray tank. See Cleaning Instructions above.
2. Fill the spray tank half full with clean water and begin agitation or bypass system.
3. Add the directed rate of MPower® Clodinafop Herbicide and agitate the solution for 2-3 minutes (refer to Use Rates section above).
4. Add the directed rate of MPower Adjuvant to the solution for 2-3 minutes (refer to Use Rates section above). Continue agitation throughout.

5. Following a further 1-2 minutes of agitation, add the remaining water.
6. Maintain agitation throughout mixture and application.
7. Apply the application solution as soon as it is prepared.

Drain the spray tank and clean using a detergent if oily film begins to build up.

If this product is to be tank mixed with a broadleaf herbicide, add the broadleaf herbicide before adding MPower® Clodinafop Herbicide. Agitate for 2-3 minutes prior to adding further application solution ingredients.

## CROP USE DIRECTIONS

### WHEAT (INCLUDING DURUM)

This product can be applied to control listed weed species in all varieties of wheat, including Durum, but must not be used for treatment of wheat underseeded to forages. Applicators must ensure applications of this product do not drift to adjacent areas with vegetation other than wheat.

#### Restrictions

- Do not exceed a maximum of one application of MPower® Clodinafop Herbicide per crop season.
- Hay must not be used for feed for 30 days minimum after application.
- Treated areas must not be used for grazing or feed forage for 30 days minimum after application.
- Do not make a fall treatment with MPower® Clodinafop Herbicide in winter wheat.
- Grain must not be harvested for a minimum of 60 days after application.

## TANK MIXTURES FOR CONTROL OF BROADLEAF SPECIES

MPower Clodinafop Herbicide may be tank mixed with products listed below to ensure broad spectrum control of broadleaf weeds and annual grasses. Refer to tank mix partner label(s) for broadleaf species controlled.

Read and follow the directions of all tank mix partners. The most restrictive directions must apply.

Refer to Mixing Directions above for tank mixture procedure.

Products that are not listed in this label may be applied sequentially with MPower® Clodinafop Herbicide. For sequential applications, follow this procedure:

1. Apply MPower® Clodinafop Herbicide first.
2. Wait a minimum of 4 days prior to applying the next product sequentially.

## WEEDS CONTROLLED AND USE RATES FOR TANK MIXTURES CONTAINING MPOWER® CLODINAFOP HERBICIDE

Always apply the following amount when applying this product at the following rates:

	Oz./acre	Oz./acre
Rate of MPower® Clodinafop Herbicide	3.2	4.0
Rate of MPower Adjuvant	10.2	12.8



Treatment with tank mixtures may result in temporary crop injury where crops are under stress due to extreme temperatures or from abnormally high or inadequate moisture levels.

Suppression (also known as partial control) means there is significant activity but there is not always the level of control that is generally considered to be acceptable for commercial weed control.

Combine MPower® Clodinafop Herbicide at a rate of 3.2 oz./A plus one of the following single or two-way broadleaf herbicide combinations. Do not tank mix this product with broadleaf herbicides that are not listed in the following table.

#### FOR CONTROL OF WILD OATS AND VOLUNTEER OATS

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	Rates based on 4 lbs. of active ingredient per acre
Affinity™ TankMix + MCPA Ester	0.6 oz./A + 0.5- 0.75 pt./A	0.6 oz./A + 0.5-0.75 pt./A	Rates of MCPA based on 4 lbs. of active ingredient per acre
Affinity TankMix + Starane™	0.6 oz./A + 0.33-0.67 pt./A	0.6 oz./A + 0.33-0.67 pt./A	
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Banvel SGF®	4-6 oz./A	4-6 oz./A	
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctrik®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Chiptox® MCPA	1-1.5 pt./A	1-1.5 pt./A	
Clarity®	2-3 oz./A	2-3 oz./A	
Clarity + MCPA Ester	2 oz./A + 0.5- 0.75 pt./A	2 oz./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Curtail™	2-2.67 pt./A	2-2.67 pt./A	
Curtail + Harmony GT	--	2-2.67 pt./A + 0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Curtail M	1.75 pt./A	1.75 pt./A	
Double Up® B+D	0.75-1 pt./A	0.75-1 pt./A	
Express®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. *Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony® Extra + Bronate Advanced	0.3-0.6 oz./A + 0.6-1.2 pt./A	0.3-0.6 oz./A + 0.6-1.2 pt./A	For suppression only. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Harmony® Extra + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony® Extra + MCPA Amine	0.3-0.6 oz./A + 0.5-0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal. * Suppression only
Harmony® Extra + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Harmony® GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Harmony® GT + Bronate Advanced	--	0.3-0.5 oz./A + 0.6 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Harmony® GT + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony® GT + MCPA Amine	0.3 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony® GT. MCPA use rate based on 4 lbs. ai per gal.
Harmony® GT + MCPA Ester	0.0 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Bronate Advanced	0.25-0.5 oz./A + 0.6-1.2 pt./A	0.25-0.5 oz./A + 0.6-1.2 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Peak + Buctril	0.25-0.5 oz./A + 0.75-1.5 pt./A	0.25-0.5 oz./A + 0.75-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Peak + Chiptox MCPA	0.25-0.5 oz./A + 1-1.5 pt./A	0.25-0.5 oz./A + 1-1.5 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Curtail M	0.25-0.5 oz./A + 1.75 pt./A	0.25-0.5 oz./A + 1.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Peak + MCPA Amine	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Rhino™	16 oz./A	16 oz./A	
Starane	0.67 pt./A	0.67 pt./A	
Starane + Bronate Advanced	0.67 pt./A + 0.6-1.2 pt./A	0.67 pt./A + 2-2.67 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Starane + Curtail	—	0.67 pt./A + 1.75 pt./A	Suppression only
Starane + Curtail M	0.67 pt./A + 1.75 pt./A	0.67 pt./A + 1.75 pt./A	
Starane + Harmony® GT	0.67 pt./A + 0.3-0.6 oz./A	0.67 pt./A + 0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Starane + Harmony® Extra	0.67 pt./A + 0.3 oz./A	0.67 pt./A + 0.3-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® Extra XP can be used as an alternative to Harmony® Extra.
Starane + Peak	0.67 pt./A + 0.25-0.5 oz./A	0.67 pt./A + 0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Starane + Sword	1.5 pt./A	1.5 pt./A	
Starane + Sword + Harmony® GT	1.5 pt./A + 0.3-0.6 oz./A	1.5 pt./A + 0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony® GT XP can be used as an alternative to Harmony® GT.
Starane + Sword + Peak	1.5 pt./A + 0.25-0.5 oz./A	1.5 pt./A + 0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	
WECO MAX™	16 oz./A	16 oz./A	
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08-0.3 oz./A	1 pt./A + 0.08-0.3 oz./A	Harmony® GT XP can be used as an alternative to Harmony® GT.
WideMatch + MCPA Ester	1 pt./A + 0.5-0.75 pt./A	1 pt./A + 0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

## FOR CONTROL OF GREEN FOXTAIL AND YELLOW FOXTAIL

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A*	0.5-0.75 pt./A	*For suppression only. Rates based on 4 lbs. of active ingredient per acre
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	For suppression only of yellow foxtail. The higher rate will provide control of green foxtail, the lower rate will provide suppression only. Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	For suppression only of yellow foxtail. The higher rate will provide control of green foxtail. The lower rate will provide suppression only of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used.
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	For suppression only of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Barvel®	2-3 oz./A	2-3 oz./A	The lower rate will provide suppression only. The higher rate will provide control. Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Barvel + MCPA Ester	2 oz./A + 0.5-0.75 pt./A	2 oz./A + 0.5-0.75 pt./A	For suppression of green foxtail only. Not for control or suppression of yellow foxtail. Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Barvel SGF®	4-6 oz./A	4-6 oz./A	For suppression only.
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Clarity®	2-3 oz./A*	2-3 oz./A	* Suppression only
Clarity + MCPA Ester	2 oz./A + 0.5-0.75 pt./A	2 oz./A + 0.5-0.75 pt./A	For suppression of green foxtail only. Not for suppression/control of yellow foxtail. MCPA use rate based on 4 lbs. ai per gal.
Curtail™	2-2.67 pt./A*	2-2.67 pt./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail.
Curtail M	1.75 pt./A	1.75 pt./A	

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Express®	0.17-0.33 oz./A*	0.17-0.33 oz./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A*	0.2-0.4 oz./A**	*For suppression only. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A*	0.17-0.33 oz./A**	*For suppression of green foxtail only, not for control/suppression of yellow foxtail. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A*	0.3-0.6 oz./A**	*For suppression only. **Will provide suppression only of yellow foxtail; provides control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony GT	0.3-0.6 oz./A*	0.3-0.6 oz./A	*Suppression only of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
Harmony GT + Buctril	0.3-0.6 oz./A + 0.75-1.5 pt./A	0.3-0.6 oz./A + 0.75-1.5 pt./A	For suppression of green foxtail only; will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Harmony GT+ MCPA Amine	0.3 oz./A + 0.5- 0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A*	*For suppression of green foxtail only; will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A*	0.3-0.6 oz./A + 0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail; will provide control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
MCPA Amine	0.5-0.75 pt./A*	0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail; will provide control of green foxtail. MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + Bronate Advanced	--	0.25-0.5 oz./A + 0.6-1.2 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Peak + Buctril	--	0.25-0.5 oz./A + 0.75-1.5 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Peak + Curtail M	0.25-0.5 oz./A + 1.75 pt./A	0.25-0.5 oz./A + 1.75 pt./A	For suppression only of green foxtail. Will not provide suppression/control of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + MCPA Amine	0.25-0.5 oz./A + 0.5-0.75 pt./A*	0.25-0.5 oz./A + 0.5-0.75 pt./A**	*For suppression only. **For suppression only of yellow foxtail. Will provide control of green foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Starane	0.67 pt./A*	0.67 pt./A**	*For suppression only of yellow foxtail; will provide control of green foxtail. **Only for control of green foxtail.
Starane + Bronate Advanced	0.67 pt./A + 0.6- 1.2 pt./A*	0.67 pt./A + 2- 2.67 pt./A	*For suppression only of yellow foxtail; will provide control of green foxtail. Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Starane + Curtail M	0.67 pt./A + 1.75 pt./A	0.67 pt./A + 1.75 pt./A	For suppression only of yellow foxtail; will provide control of green foxtail.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Starane + Harmony GT	0.67 pt./A + 0.3- 0.6 oz./A	0.67 pt./A + 0.3-0.6 oz./A	For control only of green foxtail. Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
Starane + Harmony Extra	0.67 pt./A + 0.3 oz./A	0.67 pt./A + 0.3-0.4 oz./A	For suppression only of green foxtail. Will not provide control/suppression of yellow foxtail. Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Extra XP can be used as an alternative to Harmony Extra.
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	For control of green foxtail only; will not provide control/suppression of yellow foxtail.
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

## FOR CONTROL OF BARNYARDGRASS AND VOLUNTEER CORN

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08- 0.3 oz./A	1 pt./A + 0.08- 0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5- 0.75 pt./A	1 pt./A + 0.5- 0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.





## FOR CONTROL OF CANARYGRASS

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
2, 4 Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	Rates based on 4 lbs. of active ingredient per acre
Ally® Extra	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Ally	0.1 oz./A	0.1 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Ally XP may also be used
Amber	0.28-0.47 oz./A	0.28-0.47 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Banvel®	2-3 oz./A	2-3 oz./A	Other products containing dicamba as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Banvel SGF®	4-6 oz./A	4-6 oz./A	
Bronate Advanced™	0.8-1.2 pt./A	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.2 pt./A + 0.5-0.75 pt./A	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Clarity®	2-3 oz./A	2-3 oz./A	
Curtail™	2-2.67 pt./A	2-2.67 pt./A	
Curtail M	1.75 pt./A	1.75 pt./A	
Express®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Express XP can be used as an alternative to Express®. Read and follow label directions and rates.
Finesse	0.2-0.4 oz./A	0.2-0.4 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Glean®	0.17-0.33 oz./A	0.17-0.33 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Harmony® Extra	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra.
Harmony Extra + MCPA Ester	—	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony Express XP can be used as an alternative to Harmony® Extra. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.

Product	3.2 fl. oz. MPower Clodinafop Herbicide	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Harmony GT + MCPA Ester	0.3-0.6 oz./A + 0.5-0.75 pt./A	0.3-0.6 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT. MCPA use rate based on 4 lbs. ai per gal.
MCPA Amine	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
MCPA Ester	0.5-0.75 pt./A	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
Peak + MCPA Ester (assume 4 lbs./gal.)	0.25-0.5 oz./A + 0.5-0.75 pt./A	0.25-0.5 oz./A + 0.5-0.75 pt./A	Do not use a surfactant other than the supplied MPower Adjuvant. MCPA use rate based on 4 lbs. ai per gal.
Starane	0.67 pt./A	0.67 pt./A	
Starane + Sword	1.5 pt./A	1.5 pt./A	
Stinger	0.25-0.33 pt./A	0.25-0.33 pt./A	
WideMatch	1 pt./A	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08-0.3 oz./A	1 pt./A + 0.08-0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5-0.75 pt./A	1 pt./A + 0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

#### FOR CONTROL OF GIANT FOXTAIL, PERSIAN DARNEL AND ITALIAN RYEGRASS

Product	4.0 fl. oz. MPower Clodinafop Herbicide	Comments
Bronate Advanced™	0.8-1.2 pt./A	Other products containing bromoxynil/MCPA esters as active ingredients and labeled for this use can be used. Read and follow label directions and rates.
Buctril®	0.75-1.5 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates.
Buctril + MCPA Ester	0.75-1.5 pt./A + 0.5-0.75 pt./A	Other products containing bromoxynil as an active ingredient and labeled for this use can be used. Read and follow label directions and rates. MCPA use rate based on 4 lbs. ai per gal.
Harmony GT	0.3-0.6 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant. Harmony GT XP can be used as an alternative to Harmony GT.
MCPA Ester	0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.
Peak	0.25-0.5 oz./A	Do not use a surfactant other than the supplied MPower Adjuvant.
WideMatch	1 pt./A	
WideMatch + Harmony® GT	1 pt./A + 0.08-0.3 oz./A	Harmony GT XP can be used as an alternative to Harmony GT.
WideMatch + MCPA Ester	1 pt./A + 0.5-0.75 pt./A	MCPA use rate based on 4 lbs. ai per gal.

Do not combine tank mixtures that are not listed in this label as crop damage or reduced control of target species may result. Herbicide products that are not specified in this label may be applied sequentially with MPower® Clodinafop Herbicide.

For sequential applications, follow this procedure:

1. Apply MPower® Clodinafop Herbicide first.
2. Wait a minimum of 4 days prior to applying the next product sequentially.

**TANK MIXTURES WITH OTHER PRODUCTS**

<b>Product</b>	<b>Directions</b>
Nitrogen Fertilizer	<p>Combine MPower® Clodinafop Herbicide with a liquid nitrogen fertilizer of up to 50% concentration in a spray solution using the following procedure:</p> <ol style="list-style-type: none"> <li>1. Combine MPower® Clodinafop Herbicide and water</li> <li>2. Add MPower Adjuvant and mix thoroughly</li> <li>3. Add liquid nitrogen fertilizer so that it constitutes no greater than 50% of the completed application solution</li> </ol> <p>Application of a treatment solution containing a liquid nitrogen fertilizer may result in crop burn in certain environmental conditions.</p>
Tilt® Fungicide	<p>For disease and weed control, combine MPower® Clodinafop Herbicide with Tilt Fungicide. Refer to the Tilt Fungicide label for directions, restrictions and diseases controlled. Use labeled rates of Tilt Fungicide combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure:</p> <ol style="list-style-type: none"> <li>1. Add Tilt Fungicide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> <p>Read and follow the directions of all tank mix partners. The most restrictive label must apply.</p>
Warrior Insecticide	<p>For insect and weed control, combine MPower® Clodinafop Herbicide with Warrior Insecticide. Refer to the Warrior Insecticide label for directions, restrictions and insects controlled. Use labeled rates of Warrior Insecticide combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure:</p> <ol style="list-style-type: none"> <li>1. Add Warrior Insecticide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> <p>Read and follow the directions of all tank mix partners. The most restrictive label must apply.</p>
Quilt Fungicide	<p>For suppression of disease in the early season and grass control in all wheat varieties (including durum), combine MPower® Clodinafop Herbicide with Quilt Fungicide. Refer to the Quilt Fungicide label for directions, restrictions and diseases controlled/suppressed. Use labeled rates of Quilt Fungicide at a rate of 7 oz./acre combined with MPower® Clodinafop Herbicide at a rate of 3.2-4 oz./acre. Use the following mixing procedure:</p> <ol style="list-style-type: none"> <li>1. Add Warrior Insecticide to the mix tank</li> <li>2. Add MPower® Clodinafop Herbicide</li> <li>3. Add MPower Adjuvant</li> <li>4. Mix thoroughly</li> </ol> <p>Read and follow the directions of all tank mix partners. The most restrictive label must apply. Application of a treatment solution containing Quilt Fungicide may result in crop burn in certain environmental conditions.</p>

Read and follow the directions of all tank mix partners, including those directions relating to tank mixtures with liquid nitrogen fertilizers. The most restrictive label must apply.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container tightly closed and in a cool, dry place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:**

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

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Prism® and Select® trademarks of Valent Agricultural Products

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### WARRANTY STATEMENT

The label instructions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of NewAgco, Inc. All risks shall be assumed by the user.

To the extent consistent with applicable law, NewAgco, Inc., or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NEWAGCO, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF NEWAGCO, INC., OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

NewAgco, Inc. warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for use therein described when used in accordance with the Directions for Use set forth in the Complete Directions for Use booklet (Directions), subject to the risks referred to

above. Any damage arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages, such as loss of profits or values or any other special or indirect damages.

NewAgco, Inc. makes no other express or implied warranty including any other express or implied warranty of FITNESS or MERCHANTABILITY. The sale of this product does not include a license under any patent owned by NewAgco, Inc.

Confidential Statement of Formula may be entitled to confidential treatment\*





United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number NewAgCo Inc./86794-	2. EPA Product Manager K. Montague	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NewAgCo Inc./MPOWER Clodinafop Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) NewAgCo Inc. c/o Pyxis Regulatory Consulting Inc. 4110 136th St. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input checked="" type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application falls under PRIA Category R334 (53: New end use product; end use product with unregistered source of active ingredient; selective data citation). The fee for this secondary application is \$18,893 but NewAgCo Inc. qualified for a 50% reduction in PRIA fees to \$9,447.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 0.5, 1, 1.25, 5, 15, 50, 275 gal		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Ann M. Tillman	Title Agent	Telephone No. (Include Area Code) (253) 853-7360
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		8. Date Application Received (Stamped)
2. Signature <i>Ann M Tillman</i>	3. Title Agent	
4. Typed Name Ann M. Tillman	5. Date 1/7/14	

\*Inert ingredient information may be entitled to confidential treatment\*



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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 Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, and Telephone Number NewAgCo Inc. c/o Pyxis Regulatory Consulting 4110 136th St. NW Gig Harbor, WA (253)853-7369	EPA Registration Number/File Symbol 86794
Active Ingredient(s) and/or representative test compound(s) Clodinafop-propargyl	Date 11/7/14
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial food/feed crop	Product Name MPower Clodinafop Herbicide

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

*Ann M. Tillman*

Date

11/7/14

Typed or Printed Name and Title

Ann M. Tillman, Agent


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## DATA MATRIX

Date January 7, 2014			EPA Reg. No./File Symbol 86794-		Page 1 of 13
Applicant's/Registrant's Name & Address NewAgco, Inc. Orena, St. Lawrence Main Road Christ Church Barbados BB 15029			Product MPower® Clodinafop Herbicide		
Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Product Specific Data Requirements</b>					
830.1550	Product Identity and Composition	49133201	NewAgco, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	49133201	NewAgco, Inc.	OWN	
830.1620	Description of Production Process				Not Required <sup>1</sup>
830.1650	Description of Formulation Process	49133201	NewAgco, Inc.	OWN	
830.1670	Discussion of Formation of Impurities	49133201	NewAgco, Inc.	OWN	
830.1700	Preliminary Analysis				Not Required <sup>1</sup>
830.1750	Certified Limits	49133201	NewAgco, Inc.	OWN	
830.1800	Enforcement Analytical Method	49133201	NewAgco, Inc.	OWN	
830.6302	Color	49133202	NewAgco, Inc.	OWN	
830.6303	Physical State	49133202	NewAgco, Inc.	OWN	
830.6304	Odor	49133202	NewAgco, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions				Not Required <sup>2</sup>
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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## DATA MATRIX

Date January 7, 2014			EPA Reg. No./File Symbol 86794-		Page 2 of 13
Applicant's/Registrant's Name & Address NewAgco, Inc. Orena, St. Lawrence Main Road Christ Church Barbados BB 15029			Product MPower® Clodinafop Herbicide		
Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6314	Oxidation/Reduction: Chemical Incompatibility	49133202	NewAgco, Inc.	OWN	
830.6315	Flammability	49133202	NewAgco, Inc.	OWN	
830.6316	Explosibility	49133205	NewAgco, Inc.	OWN	Waiver <sup>3</sup>
830.6317	Storage Stability	49133203	NewAgco, Inc.	OWN	
830.6319	Miscibility	49133204	NewAgco, Inc.		
830.6320	Corrosion Characteristics	49133203	NewAgco, Inc.	OWN	
830.6321	Dielectric Breakdown Voltage				Not Required <sup>4</sup>
830.7000	pH	49133202	NewAgco, Inc.	OWN	
830.7050	UV/Visible Absorption				Not Required <sup>2</sup>
830.7100	Viscosity	49133202	NewAgco, Inc.	OWN	
830.7200	Melting Point/Melting Range				Not Required <sup>2</sup>
830.7220	Boiling Point/Boiling Range				Not Required <sup>2</sup>
830.7300	Density/Relative Density/Bulk Density	49133202	NewAgco, Inc.	OWN	
830.7370	Dissociation Constants in Water				Not Required <sup>2</sup>
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7520	Particle Size, Fiber Length, and Diameter Distribution	49133205	NewAgco, Inc.	OWN	Waiver <sup>5</sup>
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Not Required <sup>2</sup>
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method				Not Required <sup>2</sup>
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure				Not Required <sup>2</sup>
870.1100	Acute Oral Toxicity: Rat	Volume 1	NewAgco, Inc.	OWN	
870.1200	Acute Dermal Toxicity: Rat	Volume 2	NewAgco, Inc.	OWN	
870.1300	Acute Inhalation Toxicity: Rat	Volume 3	NewAgco, Inc.	OWN	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Primary Eye Irritation: Rabbit	Volume 4	NewAgco, Inc.	OWN	
870.2500	Primary Dermal Irritation	Volume 5	NewAgco, Inc.	OWN	
870.2600	Dermal Sensitization	Volume 6	NewAgco, Inc.	OWN	
<b>Generic Data Requirements</b>					
850.2100 (71-1)	Acute Avian Oral Toxicity	Cite-all		PAY	
850.2200 (71-2)	Avian Dietary Toxicity	Cite-all		PAY	
850.2300 (71-4)	Avian Reproduction	Cite-all		PAY	
850.2400 (71-3)	Wild Mammal Toxicity				Not required
850.1075 (72-1)	Freshwater Fish Toxicity	Cite-all		PAY	
850.1010 (72-2)	Freshwater Invertebrate Toxicity	Cite-all		PAY	
850.1025, 850.1035, 850.1045, 850.1055, 850.1075 (72-3(a,b,c))	Estuarine/Marine Toxicity: Fish, Mollusk and Shrimp				Not required <sup>6</sup>
850.1300 (72-4)	Aquatic Invertebrate Life Cycle (Freshwater)	Cite-all		PAY	
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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)				Not required <sup>7</sup>
850.1400 (72-4)	Fish Early-life Stage (Freshwater)			GAP	
850.1400	Fish Early-life Stage (Saltwater)				Not required <sup>8</sup>
850.1500 (72-5)	Fish Life Cycle				Not required <sup>9</sup>
850.1710, 850.1730, 850.1850 (165-4)	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	Cite-all		PAY	
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required
850.1735	Whole Sediment; Acute Freshwater Invertebrates				Not required
850.1735	Whole Sediment; Acute Marine Invertebrates				Not required
850.3020 (141-1)	Honeybee Acute Contact Toxicity	Cite-all		PAY	
850.3030	Honeybee Toxicity of Residues on Foliage				Not required <sup>10</sup>
850.3040	Field Testing for Pollinators				Not required <sup>11</sup>
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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4100 (122-1(a))	Tier 1: Seed Germination/Seedling Emergence	Cite-all		PAY	
850.4150 (122-1(b))	Tier 1: Vegetative Vigor	Cite-all		PAY	
850.4400 (122-2)	Tier 1: Aquatic Plant Growth	Cite-all		PAY	
850.4100 (122-1(a))	Tier 2: Seed Germination/Seedling Emergence	Cite-all		PAY	
850.4150 (123-1(b))	Tier 2: Vegetative Vigor	Cite-all		PAY	
850.4400 (123-2)	Tier 2: Aquatic Plant Growth	Cite-all		PAY	
870.6100 (81-8)	Acute Neurotoxicity - Rat	46012922 46012947	Syngenta Crop Protection Syngenta Crop Protection	PAY PAY	See endnote <sup>12</sup>
870.3100 (82-1)	90-Day Oral - Rodent	44399130 44399132		OLD OLD	See endnote <sup>13</sup>
870.3150 (82-1)	90-Day Oral - Non-rodent	44399139		OLD	See endnote <sup>14</sup>
870.3200 (82-2)	21/28-Day Dermal	44399141		OLD	See endnote <sup>15</sup>
870.3250	90-Day Dermal				Not required <sup>16</sup>
870.3465	90-Day Inhalation				Not required <sup>17</sup>
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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6200 (82-5(a))	90-Day Neurotoxicity – Rat	46012921	Syngenta Crop Protection	PAY	See endnote <sup>18</sup>
		46012946	Syngenta Crop Protection	PAY	
870.4100 (83-1)	Chronic Feeding: Rat	44399147		OLD	See endnote <sup>19</sup>
83-1(b)	Chronic Feeding: Dog				Not required <sup>20</sup>
870.4200 (83-2)	Carcinogenicity – Rat and Mouse	44399143		OLD	See endnote <sup>21</sup>
		44399147		OLD	
870.3700 (83-3)	Prenatal Developmental Toxicity – Rat and Rabbit	44399144		OLD	See endnote <sup>22</sup>
		44399145		OLD	
870.3800 (83-4)	Reproduction and Fertility Effects	44399146		OLD	See endnote <sup>23</sup>
870.6300	Developmental Neurotoxicity	46012925	Syngenta Crop Protection	PAY	See endnote <sup>24</sup>
		46012948	Syngenta Crop Protection	PAY	
		47085301	Syngenta Crop Protection	PAY	
870.5100, 870.5200 (84-2(a))	Bacterial Reverse Mutation Assay	44399153		OLD	See endnote <sup>25</sup>
		44399152		OLD	
870.5550	DNA Repair	44399156		OLD	See endnote <sup>26</sup>
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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.5395	Micronucleus Test	44399151		OLD	See endnote <sup>27</sup>
870.7485 (85-1)	Metabolism and Pharmacokinetics	44399159 44399160		OLD OLD	See endnote <sup>28</sup>
870.7600 (85-2)	Dermal Penetration				Not required <sup>29</sup>
870.7800	Immunotoxicity			GAP	
875.1100	Dermal Outdoor Exposure	Cite-all		PAY	
875.1200	Dermal Indoor Exposure				Not required
875.1300	Inhalation Outdoor Exposure	Cite-all		PAY	
875.1400	Inhalation Indoor Exposure				Not required
875.1500	Biological Monitoring				Not required
875.1600	Data Reporting and Calculations				Not required
875.1700	Product Use Information				Not required
875.2100 (132-1a)	Foliar Residue Dissipation	Cite-all		PAY	
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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2200	Soil Residue Dissipation	Cite-all		PAY	
875.2300	Indoor Surface Residue Dissipation				Not required
875.2400 (133-3)	Dermal Passive Dosimetry Exposure	Cite-all		PAY	
875.2500 (133-4)	Inhalation Passive Dosimetry Exposure	Cite-all		PAY	
835.2120 (161-1)	Hydrolysis	Cite-all		PAY	
835.2240 (161-2)	Photodegradation in Water	46012927 46012928	Syngenta Crop Protection Syngenta Crop Protection	PAY PAY	See endnote <sup>30</sup>
835.2410 (161-3)	Photodegradation on Soil	Cite-all		PAY	
835.4100 (162-1)	Aerobic Soil Metabolism	46012930 46012931	Syngenta Crop Protection Syngenta Crop Protection	PAY PAY	See endnote <sup>31</sup>
835.4200 (162-2)	Anaerobic Soil Metabolism	Cite-all		PAY	
835.4300 (162-4)	Aerobic Aquatic Metabolism	44387449 44399177 44399178		OLD OLD OLD	See endnote <sup>32</sup>
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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.4400 (162-3)	Anaerobic Aquatic Metabolism	46012932	Syngenta Crop Protection	PAY	See endnote <sup>33</sup>
		46012933	Syngenta Crop Protection	PAY	
835.1230, 835.1240 (163-1)	Leaching and Adsorption/Desorption	44399182		OLD	See endnote <sup>34</sup>
		46012935	Syngenta Crop Protection	PAY	
		46012937	Syngenta Crop Protection	PAY	
		46012934	Syngenta Crop Protection	PAY	
		46012936	Syngenta Crop Protection	PAY	
835.1410 (163-2)	Lab Volatility				Not required <sup>35</sup>
835.6100 (164-1)	Terrestrial Field Dissipation Study	46012939	Syngenta Crop Protection	PAY	See endnote <sup>36</sup>
		46373401	Syngenta Crop Protection	PAY	
		46012938	Syngenta Crop Protection	PAY	
835.6200 (164-2)	Aquatic (Sediment) Field Dissipation Study				Not required <sup>37</sup>
835.6300 (164-3)	Forestry Field Dissipation Study				Not required
835.6400 (166-1)	Groundwater Monitoring				Not required
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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300 (171-4(a))	Nature of the Residue in Plants	46012908	Syngenta Crop Protection	PAY	
860.1300 (171-4(b))	Nature of the Residue in Livestock	Cite-all		PAY	
860.1340 (171-4(c), (d))	Residue Analytical Methods	48693701	Syngenta Crop Protection	PAY	See endnote <sup>38</sup>
860.1360	Multiresidue Method	44755301	Syngenta Crop Protection	PAY	
860.1380 (171-4(e))	Storage Stability	Cite-all		PAY	
860.1400 (171-4(f))	Nature and Magnitude of the Residue in Drinking and Irrigation Water				Not required
860.1400 (171-4(g))	Magnitude of the Residue in Fish				Not required
860.1400 (171-4(h), 165-3)	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1480 (171-4(j))	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs				Not required <sup>39</sup>
860.1500 (171-4(k))	Magnitude of the Residue in Plants – Wheat	48693702	Syngenta Crop Protection	PAY	See endnote <sup>40</sup>
860.1520 (171-4(l))	Magnitude of Residue in Processed Food/Feed – Wheat	44755303	Syngenta Crop Protection	PAY	See endnote <sup>41</sup>
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014

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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1850 (165-1)	Confined Crop Rotation Study	Cite-all		PAY	
860.1900 (165-2)	Field Rotational Crop				Not required
201-1	Droplet Size Spectrum	Cite-all		PAY	
202-1	Droplet Size Spectrum	Cite-all		PAY	
<b>Generic Data Requirements</b>					
NewAgco, Inc. will make offers-to-pay to the following companies on the data submitters list of September 27, 2012 for Clodinafop-propargyl.					
		Cite-all	Syngenta Crop Protection, LLC	PAY	
		Cite-all	Spray Drift Task Force	PAY	
		Cite-all	Outdoor Residential Exposure Task Force	PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-all	Agricultural Reentry Task Force	PAY	
		Cite-all	FIFRA Endangered Species Task Force	PAY	
		Cite-all	Agricultural Handlers Exposure Task Force	PAY	
		Cite-all	Generic Endangered Species Task Force	PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014



## Endnotes for Data Matrix for MPower® Clodinafop Herbicide

- 
- <sup>1</sup> **830.1620, 830.1700** - These data are not required for the registration of an end-use product. See 830.1650 for formulation process information.
- <sup>2</sup> **830.6313, 830.7050, 830.7200, 830.7220, 830.7370, 830.7550-7570, 830.7840-7860, 830.7950** - These data are not required for the registration of an end-use product.
- <sup>3</sup> **830.6316** - NewAgCo, Inc. requests a waiver from this data requirement because clodinafop-propargyl does not have the chemical bonds or functional groups associated with explosive chemicals. None of the inert ingredients in MPower Clodinafop Herbicide are explosive chemicals. Please refer to the Confidential Statement of Formula for MPower Clodinafop Herbicide.
- <sup>4</sup> **830.6312** - These data are required if the product is an end-use product to be used around electrical equipment. MPower Clodinafop Herbicide's label does not include directions to apply the product around electrical equipment and therefore this data requirement is not applicable.
- <sup>5</sup> **830.7520** - NewAgCo, Inc. is seeking a waiver for this data requirement for MPower Clodinafop Herbicide because the product is not water insoluble and is not a fibrous material; therefore this data requirement is not applicable to MPower Clodinafop Herbicide.
- <sup>6</sup> **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** - These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>7</sup> **850.1350** - These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>8</sup> **850.1400 (saltwater)** - These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>9</sup> **850.1500** - These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>10</sup> **850.3030** - These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>11</sup> **850.3040** - These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>12</sup> **870.6100** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.
- <sup>13</sup> **870.3100** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.
- <sup>14</sup> **870.3150** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the study cited fulfills the data requirement.
- <sup>15</sup> **870.3200** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the study cited fulfills the data requirement.
- <sup>16</sup> **870.3250** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, these data are not required.
- <sup>17</sup> **870.3465** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, these data were identified as "conditionally required", but that no data have been submitted to satisfy this guideline. In addition, the Sept. 13, 2012 HASPOC memo notes these data are not required.
- <sup>18</sup> **870.6200** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.
- <sup>19</sup> **870.4100** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the study cited fulfills the data requirement.
- <sup>20</sup> **83-1(b)** - These data are no longer required under 40 CFR Part 158.
- <sup>21</sup> **870.4200** - According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.

## Endnotes for Data Matrix for MPower® Clodinafop Herbicide

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- <sup>22</sup> **870.3700** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.
- <sup>23</sup> **870.3800** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the study cited fulfills the data requirement.
- <sup>24</sup> **870.6300** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.
- <sup>25</sup> **870.5100, 870.5200** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.
- <sup>26</sup> **870.5550** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the study cited fulfills the data requirement. Note MRID 44399155 was not cited because it is not considered acceptable.
- <sup>27</sup> **870.5395** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the study cited fulfills the data requirement. Note MRID 44399154 was not cited because it is not considered acceptable.
- <sup>28</sup> **870.7485** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, the studies cited fulfill the data requirement.
- <sup>29</sup> **870.7600** – According to the Nov. 15, 2012 Human Health Scoping Document for Registration Review, these data are not required.
- <sup>30</sup> **835.2240** – According to the Dec. 5, 2012 Preliminary Problem Formulation for Registration Review, the studies cited fulfill the data requirement.
- <sup>31</sup> **835.4100** – According to the Dec. 5, 2012 Preliminary Problem Formulation for Registration Review, the studies cited fulfill the data requirement. Note: 46012931 was listed twice in Table 7.1, but 46012930 is also mentioned throughout the document. Therefore, it appears that 46012930 was intended to be listed in addition to 46012931 in Table 7.1 of the Preliminary Problem Formulation.
- <sup>32</sup> **835.4300** – According to the Dec. 5, 2012 Preliminary Problem Formulation for Registration Review, the studies cited fulfill the data requirement.
- <sup>33</sup> **835.4400** – According to the Dec. 5, 2012 Preliminary Problem Formulation for Registration Review, the studies cited were classified as acceptable and appear to satisfy the data requirement.
- <sup>34</sup> **835.1230, 835.1240** – According to the Dec. 5, 2012 Preliminary Problem Formulation for Registration Review, the studies cited appear to satisfy the data requirement. MRID numbers 44399179, 44399180 and 44399181 were not cited because these studies were classified as unacceptable. MRID number 44831201 was not cited because it was replaced by MRID number 46012937, which was cited. MRID number 44831202 was not cited because it was replaced by MRID number 46012934, which was cited.
- <sup>35</sup> **835.1410** – These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>36</sup> **835.6100** – According to the Dec. 5, 2012 Preliminary Problem Formulation for Registration Review, the studies cited appear to satisfy the data requirement.
- <sup>37</sup> **835.1410** – These data are not required per the Dec. 5, 2012 Preliminary Problem Formulation.
- <sup>38</sup> **835.1340** – According to a Sept. 24, 2012 memorandum, MRID 48693701 supports the analytical method requirement for use of clodinafop on wheat.
- <sup>39</sup> **835.1480** – According to an April 7, 2000 memorandum, magnitude of the residue data are not required because of low residues found in the metabolism study.
- <sup>40</sup> **835.1500** – According to a Sept. 24, 2012 memorandum, MRID 48693701 supports the analytical method requirement for use of clodinafop on wheat.

## Endnotes for Data Matrix for MPower® Clodinafop Herbicide

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- <sup>41</sup> **835.1500** – According to an April 7, 2000 memorandum, the study satisfied satisfies the data requirement.


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## DATA MATRIX


Date January 7, 2014		EPA Reg. No./File Symbol 86794-		Page 1 of 13	
Applicant's/Registrant's Name & Address NewAgco, Inc. Orena, St. Lawrence Main Road Christ Church Barbados BB 15029		Product MPower® Clodinafop Herbicide			
Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
					Not Required <sup>1</sup>
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
					Not Required <sup>1</sup>
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
					Not Required <sup>2</sup>
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014

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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	Waiver <sup>3</sup>
			NewAgco, Inc.	OWN	
			NewAgco, Inc.		
			NewAgco, Inc.	OWN	
					Not Required <sup>4</sup>
			NewAgco, Inc.	OWN	
					Not Required <sup>2</sup>
			NewAgco, Inc.	OWN	
					Not Required <sup>2</sup>
					Not Required <sup>2</sup>
		NewAgco, Inc.	OWN		
				Not Required <sup>2</sup>	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014

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Applicant's/Registrant's Name & Address NewAgco, Inc. Orena, St. Lawrence Main Road Christ Church Barbados BB 15029		Product MPower® Clodinafop Herbicide			
Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NewAgco, Inc.	OWN	Waiver <sup>5</sup>
					Not Required <sup>2</sup>
					See 830.7550
					See 830.7550
					Not Required <sup>2</sup>
					See 830.7840
					Not Required <sup>2</sup>
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
NewAgco, Inc.	OWN				
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Applicant's/Registrant's Name & Address NewAgco, Inc. Orena, St. Lawrence Main Road Christ Church Barbados BB 15029			Product MPOWER® Clodinafop Herbicide		
Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
			NewAgco, Inc.	OWN	
				PAY	
				PAY	
				PAY	
					Not required
				PAY	
				PAY	
					Not required <sup>6</sup>
		PAY			
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014

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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					Not required <sup>7</sup>
				GAP	
					Not required <sup>8</sup>
					Not required <sup>9</sup>
				PAY	
					Not required
					Not required
					Not required
				PAY	
					Not required <sup>10</sup>
	Not required <sup>11</sup>				
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014




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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
			Syngenta Crop Protection	PAY	See endnote <sup>12</sup>
			Syngenta Crop Protection	PAY	
				OLD	See endnote <sup>13</sup>
				OLD	
				OLD	See endnote <sup>14</sup>
	OLD	See endnote <sup>15</sup>			
		Not required <sup>16</sup>			
		Not required <sup>17</sup>			
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Syngenta Crop Protection	PAY	See endnote <sup>18</sup>
			Syngenta Crop Protection	PAY	
				OLD	See endnote <sup>19</sup>
					Not required <sup>20</sup>
				OLD	See endnote <sup>21</sup>
			OLD		
				OLD	See endnote <sup>22</sup>
			OLD		
				OLD	See endnote <sup>23</sup>
			Syngenta Crop Protection	PAY	See endnote <sup>24</sup>
			Syngenta Crop Protection	PAY	
			Syngenta Crop Protection	PAY	
	OLD	See endnote <sup>25</sup>			
	OLD				
	OLD	See endnote <sup>26</sup>			
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
				OLD	See endnote <sup>27</sup>
				OLD	See endnote <sup>28</sup>
				OLD	
					Not required <sup>29</sup>
				GAP	
				PAY	
					Not required
				PAY	
					Not required
					Not required
					Not required
				PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
				PAY	
					Not required
				PAY	
				PAY	
				PAY	
			Syngenta Crop Protection	PAY	See endnote <sup>30</sup>
			Syngenta Crop Protection	PAY	
				PAY	
			Syngenta Crop Protection	PAY	See endnote <sup>31</sup>
			Syngenta Crop Protection	PAY	
				PAY	
	OLD	See endnote <sup>32</sup>			
	OLD				
	OLD				
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Syngenta Crop Protection	PAY	See endnote <sup>33</sup>
			Syngenta Crop Protection	PAY	
			Syngenta Crop Protection	OLD	See endnote <sup>34</sup>
			Syngenta Crop Protection	PAY	
			Syngenta Crop Protection	PAY	
			Syngenta Crop Protection	PAY	
					Not required <sup>35</sup>
			Syngenta Crop Protection	PAY	See endnote <sup>36</sup>
			Syngenta Crop Protection	PAY	
			Syngenta Crop Protection	PAY	
					Not required <sup>37</sup>
		Not required			
		Not required			
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Syngenta Crop Protection	PAY	
				PAY	
			Syngenta Crop Protection	PAY	See endnote <sup>38</sup>
			Syngenta Crop Protection	PAY	
				PAY	
					Not required
					Not required
					Not required
					Not required <sup>39</sup>
					Syngenta Crop Protection
		Syngenta Crop Protection	PAY	See endnote <sup>41</sup>	
Signature 		Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014	


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
				PAY		
					Not required	
				PAY		
				PAY		
				Syngenta Crop Protection, LLC	PAY	
				Spray Drift Task Force	PAY	
	Outdoor Residential Exposure Task Force	PAY				
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014	


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Ingredient Clodinafop-propargyl (CAS No. 105512-06-9)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Agricultural Reentry Task Force	PAY	
			FIFRA Endangered Species Task Force	PAY	
			Agricultural Handlers Exposure Task Force	PAY	
			Generic Endangered Species Task Force	PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date Jan. 7, 2014



# Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
086794-xxxxx	Jan. 7, 2014	086794-xxxxx.20140107.MPower Clodinafop Herbicide label.pdf

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.



Signature  
Ann M. Tillman  
Agent, NewAgCo Inc.

Jan. 7, 2014  
Date

# There is an ELECTRONIC LABEL for this action

You can use Acrobat to compare the e-label to the previous version (and find the changes). You can also use Acrobat to mark-up the e-label with your comments.

If e-label was submitted via

**CD-ROM with paper application**

then you will find e-label in

**Electronic Label Library**

*If the e-label is not found in the ELL then it was probably not named correctly and could not be entered into the ELL. However, the file can be retrieved from the CD which is retained by the Front End.*

or

If e-label was submitted via

**XML E-Submission (no paper)**

then you will find e-label in

**Documentum**

See overview of processing e-labels on other side of this sheet.  
If you have any questions on e-labels, please contact one of your division e-label experts:

AD

Willie Abney

308-1689

Rene Whitaker

308-7003

Tracy Lantz

308-6415

BPPD

RD

Tom Harris

308-9423

# PROCESSING ELECTRONIC LABELS

(rev. 1/5/09, tch)

If e-label submitted via XML e-submission (not on CD-ROM), you may wish to find e-label in Documentum, save e-label to "My Documents", add e-label to ELL, start below at step 5.

## Initial E-Label per application (on CD-ROM with paper via ITRMD)

1 ITRMD receives paper submission w/ e-label on CD

2 Tracking record added to OPPIN

3 ITRMD adds e-label to ELL

4 ITRMD sends paper submission to AD/BPPD/RD

5 Connect ELL record with OPPIN S#

in-process

6 Save copy of e-label from ELL to My Documents

7 Review label  
(if acceptable, skip to step 20)

8 Add comments to e-label  
(correct old with comments to filename)

9 Print annotated e-label  
(use "Print with Filename")

review

10 Send annotated e-label to registrant via email  
(also send "How To Print")

11 File print of annotated e-label and email in jacket

12 Add annotated e-label to ELL

13 Close submission in OPPIN

out-process

## Resubmission (via email to staffer or PM)

14 Receive email submission w/ e-label attached

15 Add tracking record to OPPIN

16 Add e-label to ELL

17 Connect ELL record with OPPIN S#

in-process

18 Save copy of e-labels (old & new) from ELL to My Documents

19 Compare old and new labels with Acrobat

(if revisions needed repeat steps 8-19)

review

20 Print e-label, stamp, write cover letter  
(use "Print with Filename")

21 Mail stamped label & cover letter to registrant

22 File stamped label & cover letter in jacket

23 Add cover letter to ELL  
(mandatory if accepted with comments)

24 Close submission in OPPIN

out-process

### process - big picture

- 1- create OPPIN tracking
- 2- put label in ELL; link to S#
- 3- save ELL label to My Documents
- 4- compare / comment
- 5- outprocess

### techniques to know

- filename for e-labels
- "print with filename"
- compare / comment
- printing with comments



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

January 15, 2014

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

OPP Decision Number: D-486811  
EPA File Symbol or Registration Number: 86794-A  
Product Name: MPOWER CLODINAFOP HERBICIDE  
EPA Receipt Date: 14-Jan-2014  
EPA Company Number: 86794  
Company Name: NEWAGCO, INC.

ANN TILLMAN  
PYXIS REGULATORY CONSULTING, INC.  
NEWAGCO, INC.  
4110 136TH ST., NW  
GIG HARBOR, WA 98332-

SUBJECT: Receipt of Application and 50% Small Business Waiver Request

Dear Registrant:

The Office of Pesticide Programs has received your application, 50% small business waiver request, and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R334

NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF  
THE ACTIVE INGREDIENT;REQUIRES SCIENCE DATA REVIEW;NEW PHYSICAL  
FORM;SELECTIVE DATA CITATION;

Your request for waiver has been forwarded for review. You will be notified in writing when a determination is made regarding your request. If your waiver request is approved, the decision review time period will start on the date of approval. If your waiver request is denied, you will receive an invoice for the outstanding balance. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,

A handwritten signature in cursive script, appearing to read "Teresa Throne".

Front End Processing Staff  
Information Technology & Resources Management Division

**21-Day Screen Completed by**  
**Contractor**

**21-Day Expires on** 2-4-13

**Jacket #** 86794-A

**MRID#** 492965

**Content Screen:** Recommend to Pass/Fail

**11-3 Review:** Pass/Fail/NA

**Overall Status:** Recommend to Pass/Fail

**Transfer This Jacket to:**

STEPHEN SCHABLE

# PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 1-14-14

Experts In-Processing Signature: B.B.

Date 1-16-14

Fee Paid: Yes ☒

Division management contacted on issues

No

Yes

Date

EPA Reg. Number: <u>86794-A</u>		EPA Receipt Date: <u>1-14-14</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
		X				
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			X		
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of <u>Label</u> ( <u>Electronic labels on CD</u> are encouraged and guidance is available)			X		
7	Is the data package consistent with PR Notice 86-5			X		
8	Notice of Filing included with petitions					X

9	If applicable for conventional applications, <u>reduced risk rationale</u>			X
10	<u>Required Data</u> and/or data waivers. See Footnote C.			
	a) List study (or studies) not included with application			
<p>Comments: Studies passed 11-3 review, Pass 492965.</p> <p>Inerts Approved for Food Use under 40CFR 180.970, Pre-Harvest Application to Growing crops.</p> <p>Formulation has a Sateener.</p> <p style="text-align: right;">TV</p>				

\* N/A – Not Applicable

#### Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the [inert Web site](#) and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at [inertsbranch@epa.gov](mailto:inertsbranch@epa.gov) and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the [Chief of Microbial Pesticides Branch](#).

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.



During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

### **Unapproved Inerts Identified on CSFs**

#### **All applications except conventional new products and PIPs**

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

#### **Conventional New Product Applications**

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

### PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

## Fee for Service

*W*  
*C*  
94~~1~~135%~

This package includes the following

- ☒ New Registration
- ☐ Amendment

☒ Studies?      ☒ Fee Waiver?

☐ volpay    % Reduction: 50

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr. 23

Receipt No.

S- 94~~1~~135

EPA File Symbol/Reg. No.

86794-A

Pin-Punch Date:

1/14/2014

☐ This item is NOT subject to FFS action.

### Action Code:

Requested: R334

Granted: R334

Amount Due: \$ 18,893

### Parent/Child Decisions:

☐ Inert Cleared for Intended Use



Uncleared Inert in Product

Reviewer: H. GARVIE

Date: 1/15/14

Remarks: *AM - double check to ensure this is not R333. J-f so, return to Steve for re-code*

# Receipt for Section 3



S: 946135

Milestone Email:

Regulatory Type: Product Registration - Section 3

Application Type: New Registration

Resubmission: ☐ Yes ☒ No

Fee For Service: ☒ Yes ☐ No

Billable: ☒ Yes ☐ No

Print Letter

Enter More Information

Tracking

Company: 86794 NEWAGCO, INC.



Risk Manager: Registration Division, Risk Management Team 23

Product #: 86794-A Product Name: MPOWER CLODINAPOP HERBICIDE

Override#:

Me Too Section3: Me Too Product Name:

Application Date: 07-Jan-2014 OPP Rec'd Date: 14-Jan-2014

Front End Date: 14-Jan-2014 Risk Manager Send Date:

FFS Due Date: Negotiated Due Date:

OPP Target Date:

Fast Track: ☐ New Ingredient: ☐

Receipt Description:

New end-use product registration request.

New Ingredient Request Date:

New Ingredient Received Date:

Form A: ☐ Signature Date:

Form B: ☐ Signature Date:

Receipt Content	
Study	
CSF	

View/Edit

## **Arianna Shorey**

---

**From:** paygovadmin@mail.doc.twai.gov  
**Sent:** Friday, January 10, 2014 10:10 AM  
**To:** Arianna Shorey  
**Subject:** Pay.gov Payment Confirmation: PRIA Service Fees

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Your payment has been submitted to Pay.gov and the details are below. If you have any questions or you wish to cancel this payment, please contact Pay.gov Customer Service by phone at (800) 624-1373 or by email at [pay.gov.clev@clev.frb.org](mailto:pay.gov.clev@clev.frb.org).

Application Name: PRIA Service Fees  
Pay.gov Tracking ID: 25DSP8G0  
Agency Tracking ID: 74554581505  
Transaction Type: Sale  
Transaction Date: Jan 10, 2014 1:10:25 PM

Account Holder Name: Ann Tillman  
Transaction Amount: \$9,447.00  
Billing Address: 4110 136th St. NW  
City: Gig Harbor  
State/Province: WA  
Zip/Postal Code: 98332  
Country: USA  
Card Type: AmericanExpress  
Card Number: \*\*\*\*\*1031

Decision Number:  
Registration Number:  
Company Name: NewAgCo  
Company Number: 86794  
Action Code: R334

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, D.C. 20460

January 27, 2014

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

PYXIS REGULATORY CONSULTING, INC.  
NEWAGCO, INC.  
4110 136TH ST., NW  
GIG HARBOR, WA 98332

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 14-JAN-14. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

**FOR OFFICIAL USE ONLY**

FILE SYMBOL

REGISTRATION NO.

86794-1A

**CONFIDENTIAL STATEMENT OF FORMULA ENCLOSED**

DATE SUBMITTED	SUBMITTED BY (✓)	
	APPLICANT	BASIC SUPPLIER
JAN 14 2014		

**Do Not Write Comments,  
Formula, or Parts of Formula  
on This Envelope**

**NOTE**

It shall be unlawful—for any person to use for his own advantage or to reveal, other than to the Secretary, or officials or employees of the United States Department of Agriculture or other Federal agencies, or to the courts in response to a subpoena, or to physicians, and in emergencies to pharmacists and other qualified persons, for use in the preparation of antidotes, in accordance with such directions as the Secretary may prescribe, any information relative to formulas of products acquired by authority of Section 4 of the "Federal Insecticide, Fungicide, and Rodenticide Act."

\*Confidential Statement of Formula may be entitled to confidential treatment\*